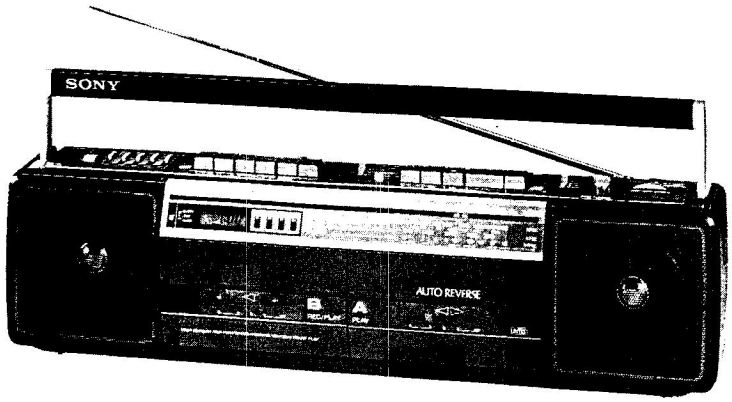
CFS-W401L

SERVICE MANUAL

AEP Model
UK Model



SPECIFICATIONS

Frequency range

	FM	MW	LW	SW
AEP, UK	87.6–107MHz	530–1605kHz	150–285kHz	5.95–18MHz
Italy	87.5–108MHz	526.5–1606.5kHz	148.5–283.5kHz	

Antennas: FM/SW: Telescopic antenna
MW/LW: Built-in ferrile bar antenna
Frequency response: 80–10,000Hz (with normal tapes)
Speakers: Full-range: 10cm (4 inches) dia. x 2
Peakmusic power output
11W
Inputs: MIX MIC input jack (minijack)
sensitivity 3.88mV (–46dB)
LINE IN jacks (two phono jacks)
(impedance 47 kilohms, sensitivity 0.44V)
Outputs: Headphones jack (stereo minijack) for
8–300 ohm impedance headphones
Power requirements: 9V DC, six R20P (size D) batteries
clock: 1.5V DC, one R6P (size AA) battery

In AC operation:

AEP model (incl. Italy)	220V AC, 50Hz
UK model	240V AC, 50Hz

Power consumption: AEP model (incl. Italy): 14W
UK model 20W

Battery life (hours)

Batteries	FM recording
Sony SUM-1 (NS)	Approx. 15
Sony AM1 alkaline	Approx. 26

Timer section: 2 years using Sony SUM-3 (NS)
Dimensions: Approx. 530 x 145 x 122mm (w/h/d)
(20 7/8 x 5 3/4 x 4 7/8 inches)
incl. projecting parts and controls, not incl. handle.
Weight: Approx. 3.8kg (8 lb 6 oz) incl. batteries
Accessory supplied: AC power cord (1)

Tape Transport	MF-W401PB-78D (Deck A)
Mechanism Type	MF-W301RP-75D (Deck B)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MICROFILM

FM/MW/LW/SW STEREO CASSETTE-CORDER

SONY®

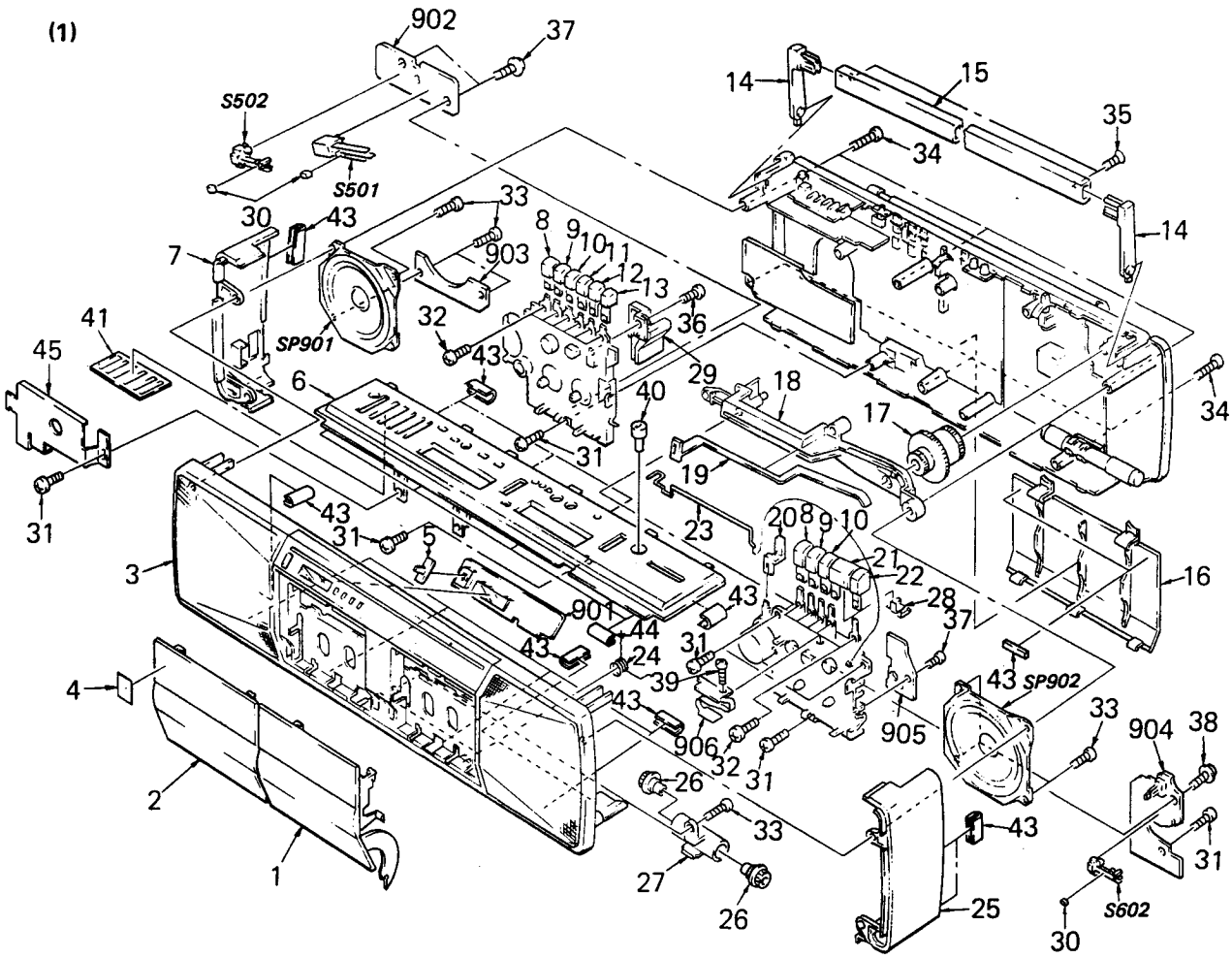
TC

SECTION 1
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

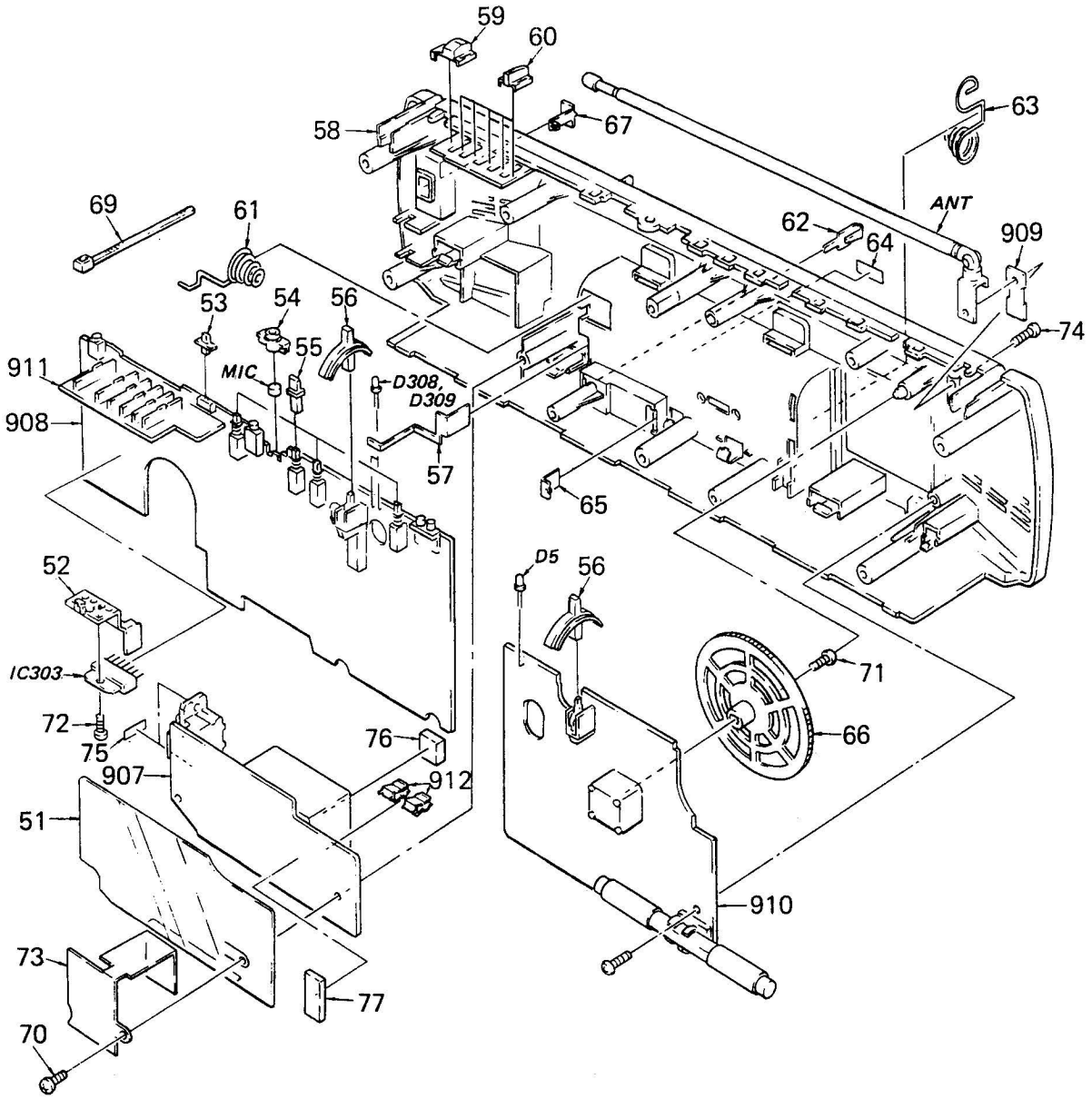
(1)



No.	Part No.	Description	Remarks
4	3-703-710-01	STICKER, SONY SYMBOL (12)	
5	3-339-303-01	BUTTON (A), TIMER	
6	3-339-344-11	PANEL, CONTROL	
7	3-339-341-01	PLATE (LEFT), SIDE	
8	3-339-330-01	BUTTON (A), PAUSE	
9	3-339-331-01	BUTTON (A), FF	
10	3-339-332-01	BUTTON (A), REW	
11	3-339-334-01	BUTTON (A), PLAY	
12	3-339-322-01	BUTTON (A), REC	
13	3-339-333-01	BUTTON (A), STOP	
14	3-326-423-21	PLATE, SIDE, HANDLE	
15	3-326-454-51	HANDLE	
16	3-339-350-01	LID, BATTERY CASE	
17	3-339-329-01	KNOB, TUNING	
18	3-339-340-01	CHASSIS, DIAL	
19	3-339-324-01	RACK, POINTER	
20	3-339-323-01	BUTTON, DIR	
21	3-339-335-01	BUTTON (B), PLAY	
22	3-339-336-01	BUTTON (B), STOP	
23	3-339-312-01	LEVER, POWER SW	
24	3-339-318-01	SPRING	
25	3-339-343-01	PLATE (RIGHT), SIDE	
26	3-326-411-01	GEAR, EJECT	
27	3-339-314-01	BRACKET, EJECT	
28	3-339-315-01	SPRING	
29	3-339-308-01	LEVER, REC	

No.	Part No.	Description	Remarks
30	9-911-844-XX	SPACER, LEAF	
31	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
32	7-685-790-04	SCREW +PTT 2.6X4 (S)	
33	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
34	7-685-651-79	SCREW +BVTP 3X20 TYPE2	
35	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	
36	7-685-793-04	SCREW +BVTT 2.6X8 (S)	
37	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
38	7-685-104-19	SCREW (2X6), + PTPWH	
39	7-621-772-18	SCREW +B 2X4	
40	3-339-309-01	KNOB, FINE TUNE	
41	*3-340-348-01	CUSHION (GEQ)	
43	3-831-441-XX	CUSHION	
44	3-831-441-11	CUSHION	
901	1-548-147-11	CLOCK (LCD)	
902	*1-621-581-11	PC BOARD, SW (B)	
903	*1-621-586-11	PC BOARD, TRANSLATION	
904	*A-3281-392-A	MOUNTED PCB, SW, MD (A)	
905	*1-621-585-11	PC BOARD, PHOTO	
906	1-616-098-11	PC BOARD, HEAD CHANGE SWITCH	
S501	1-554-495-00	SWITCH, LEAF	
S502	1-570-012-11	SWITCH, LEAF	
S602	1-570-012-11	SWITCH, LEAF	
SP901	1-503-750-11	SPEAKER	
SP902	1-503-750-11	SPEAKER	

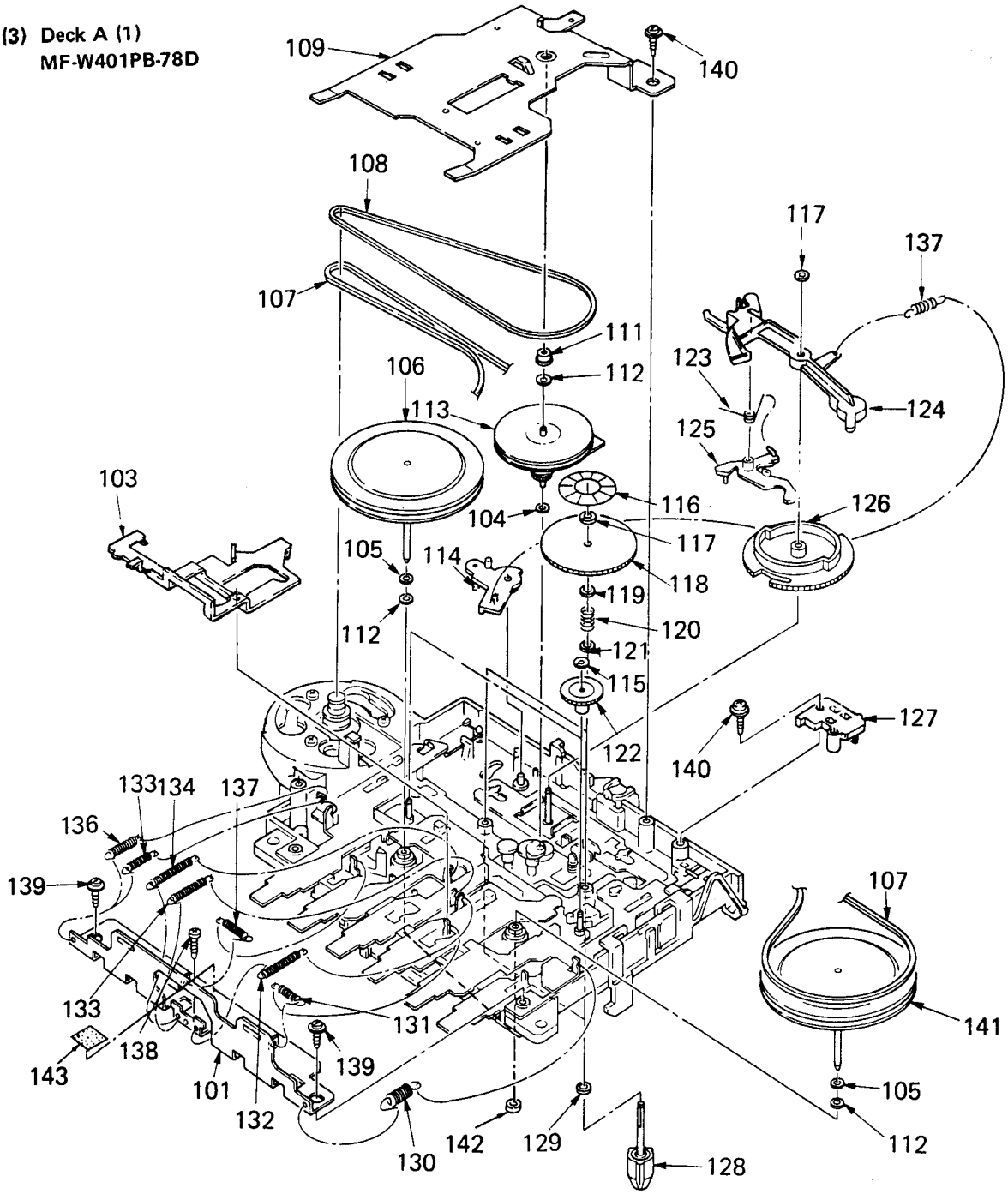
(2)



No.	Part No.	Description	Remarks
51	*3-339-320-01	COVER, POWER	
52	*3-339-310-01	HEAT SINK	
53	3-339-306-01	BUTTON (B), TIMER	
54	3-321-122-01	CUSHION, MICROPHONE	
55	3-339-307-01	KNOB, SQUARE	
56	3-339-328-01	KNOB, FUNCTION	
57	3-339-317-01	TERMINAL BOARD (+), BATTERY	
58	3-339-345-11	(AEP)...CABINET (REAR)	
	3-339-345-21	(UK)....CABINET (REAR)	
59	3-339-305-01	KNOB, VOL	
60	3-339-302-01	KNOB, GEQ	
61	3-339-316-01	SPRING (-)	
62	3-339-321-01	TERMINAL BOARD (-), BATTERY	
63	3-339-319-01	SPRING (+,-)	
64	3-527-213-00	LABEL, SERIAL NUMBER	
65	3-339-313-01	TERMINAL BOARD (+), BATTERY	
66	3-339-304-01	DRUM, TUNING CAPACITOR	
67	3-326-452-01	KNOB, ISS	
69	3-339-311-00	CLAMP	

No.	Part No.	Description	Remarks
70	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
71	7-621-770-87	SCREW +B 2.6X5	
72	7-682-546-04	SCREW +BVTT 3X5 (S)	
73	*3-340-347-01	RETAINER, POWER PC BOARD	
74	7-682-148-09	SCREW +B 3X8	
75	3-831-441-XX	CUSHION	
907	*1-621-583-11	PC BOARD, POWER	
908	*A-3270-373-A	(AEP)...PC BOARD ASSY, MAIN	
	A-3270-374-A	(UK)....PC BOARD ASSY, MAIN	
909	*1-621-578-11	PC BOARD, ANT	
910	*A-3266-366-A	PC BOARD ASSY, TUNER	
911	*A-3289-320-A	MOUNTED PCB, GEQ	
912	1-553-183-11	HOLDER, FUSE	
ANT	1-501-338-31	ANTENNA, TELESCOPIC	
D5	1-807-738-11	SLR-34VR70F/30 (LED)	
D308	1-807-738-11	SLR-34VR70F/30 (LED)	
D309	1-807-738-11	SLR-34VR70F/30 (LED)	
IC303	8-759-205-82	IC TA7282AP	
MIC	8-814-186-00	MICROPHONE, ELECTRET CONDENSER	

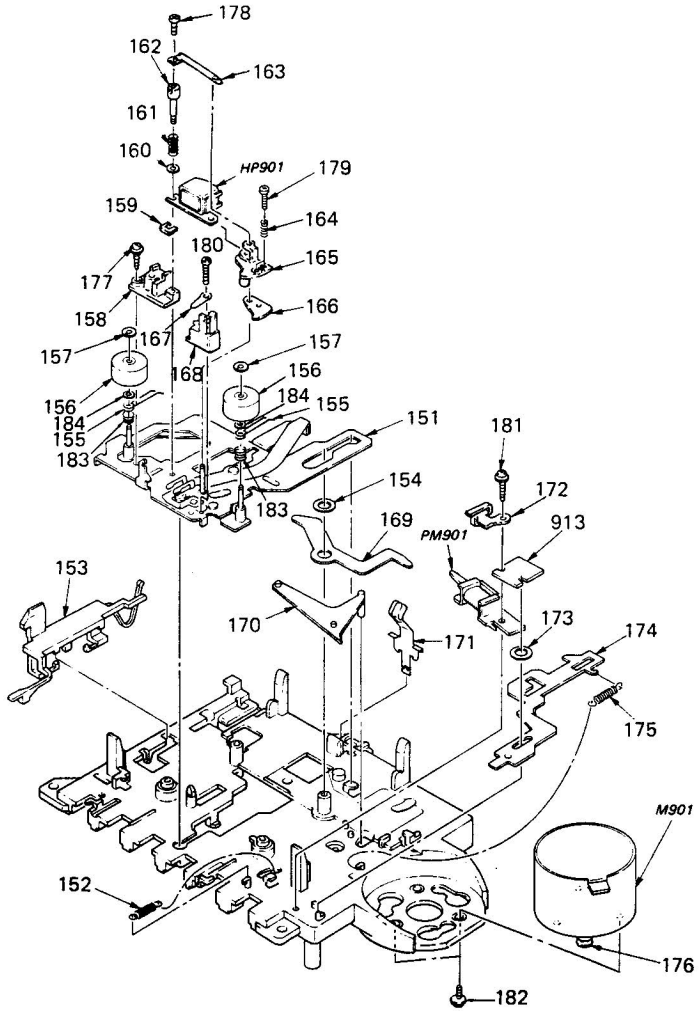
(3) Deck A (1)
MF-W401PB-78D



No.	Part No.	Description	Remarks
101	*3-322-518-01	RETAINER, LEVER	
103	*3-330-606-01	LEVER, SELECTION, S.OFF	
104	3-701-437-01	WASHER (t=0.13)	
105	3-701-437-61	WASHER	
106	X-3322-546-1	FLYWHEEL (N) ASSY	
107	3-322-663-01	BELT, CAPSTAN	
108	3-322-635-01	BELT, DETECTION	
109	*3-322-519-01	RETAINER, THRUST	
111	3-322-566-01	BEARING, PULLEY	
112	3-701-437-11	WASHER (t=0.25)	
113	X-3322-540-1	DETECTION BLOCK ASSY	
114	3-330-827-01	LEVER (B), GEAR LOCK	
115	3-307-948-01	WASHER, NYLON	
116	3-310-388-01	REFLECTOR (11), PC	
117	3-322-672-01	WASHER, NYLON	
118	3-322-508-01	GEAR, REEL	
119	3-322-660-01	WASHER (B)	
120	3-321-541-01	SPRING, COMPRESSION	
121	3-322-659-01	WASHER (A)	
122	3-322-556-01	GEAR, FR	

No.	Part No.	Description	Remarks
123	3-322-534-01	SPRING	
124	3-330-833-01	LEVER (C), OA	
125	3-330-826-01	LEVER (D), OA	
126	3-322-553-01	GEAR, CAM	
127	*3-322-665-01	BRACKET, ATS	
128	X-3322-502-1	CLAW ASSY, REEL	
129	3-545-715-00	WASHER	
130	3-322-691-01	SPRING, TENSION	
131	3-330-605-01	SPRING, TENSION	
132	3-322-526-01	SPRING, TENSION (POWER TENSION)	
133	3-322-522-01	SPRING, TENSION	
134	3-322-523-01	SPRING, TENSION	
136	3-530-260-00	SPRING, TENSION	
137	3-322-527-01	SPRING, TENSION	
138	7-685-105-19	TPG +P 2X8, TYPE 2, NON-SLIT	
139	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
140	7-685-134-19	SCREW (+ PTPWH) (2.6X8)	
141	X-3322-547-1	FLYWHEEL (R) ASSY	
142	3-325-698-01	RING, RETAINING	
143	3-831-441-11	CUSHION (T)	

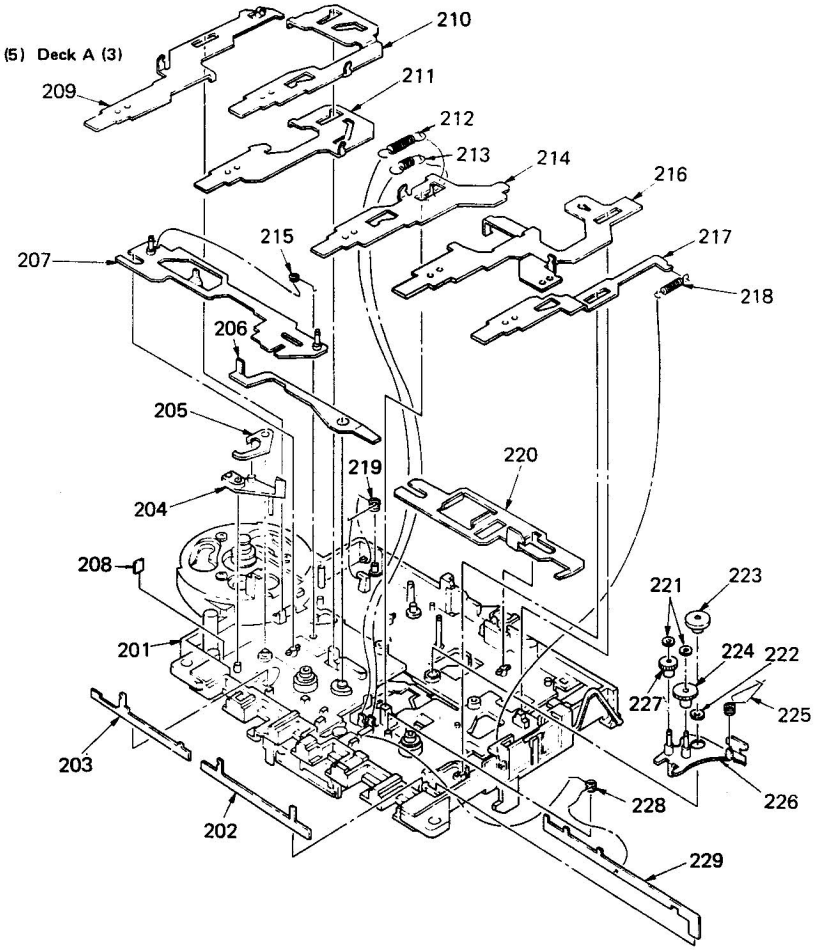
(4) Deck A (2)



No.	Part No.	Description	Remarks
151	*X-3326-605-1	CHASSIS (B) ASSY, HEAD	
152	3-330-633-01	SPRING, TENSION	
153	3-322-512-01	LEVER, EJECT	
154	3-701-443-11	WASHER	
155	3-326-372-01	SPRING (C)	
156	3-703-597-41	PINCH ROLLER, STANDARD	
157	3-307-948-01	WASHER, NYLON	
158	3-326-623-01	BRACKET, HEAD	
159	3-578-138-01	SEAM (t=0.1)	
	3-578-138-11	SEAM (t=0.2)	
160	7-688-001-01	W 2, SMALL	
161	3-326-627-01	SPRING, COMPRESSION	
162	3-326-621-01	SHAFT, HEAD FIXED	
163	3-326-620-01	SPRING	
164	3-322-531-01	SPRING, COMPRESSION	
165	3-326-628-01	ARM, AZIMUTH	
166	3-326-622-01	RETAINER, AZIMUTH	
167	7-623-505-01	LUG, 2	
168	3-326-625-01	RETAINER, PC BOARD	

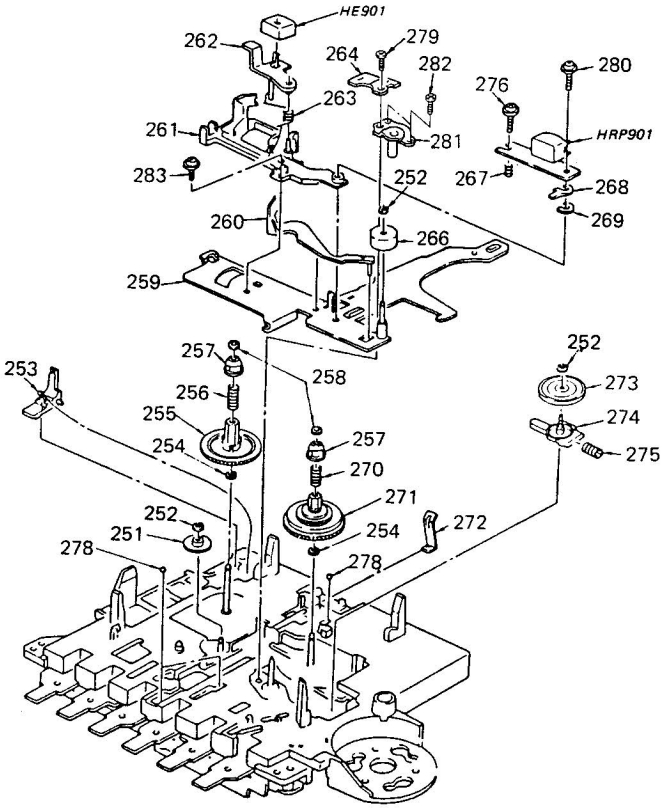
No.	Part No.	Description	Remarks
169	*3-322-590-01	LEVER, DIRECTION RELEASE	
170	3-322-514-01	LINK (A)	
171	3-322-595-01	SPRING	
172	*3-322-704-01	GUIDE, WIRING	
173	3-701-437-01	WASHER (t=0.13)	
174	*3-330-601-01	LEVER, MANUAL BUTTON	
175	3-322-528-01	SPRING, TENSION	
176	X-3330-616-1	PULLEY (W), MOTOR	
177	7-621-255-35	SCREW (2MMX5), + PWH	
178	7-627-552-57	SCREW, PRECISION +P 1.7X5	
179	7-627-851-27	SCREW, PRECISION +P 1.4X5	
180	7-621-255-65	SCREW +P 2X10	
181	7-685-105-19	SCREW (2X8), + PTPWH	
182	7-621-770-87	SCREW +P 2.6X5	
183	*3-337-892-01	SPRING, STOPPER	
184	3-330-642-01	WASHER, CLAMP	
913	*1-602-735-00	PC BOARD	
HP901	1-543-389-31	HEAD, MAGNETIC (REC/PB)	
M901	1-541-317-11	MOTOR	
PM901	1-454-355-00	SOLENOID, PLUNGER	

(5) Deck A (3)



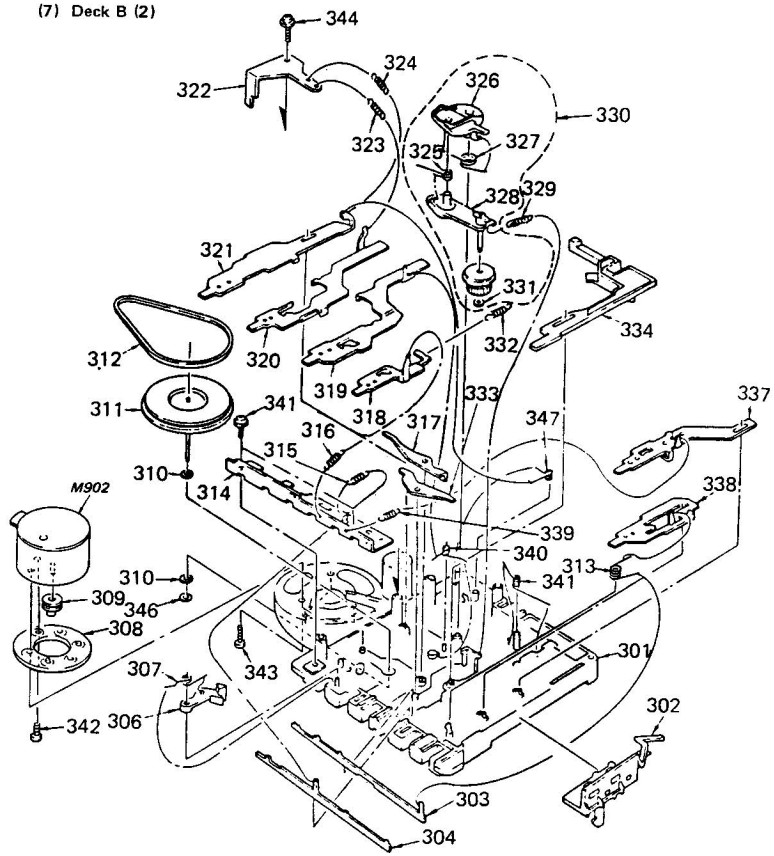
No.	Part No.	Description	Remarks
201	A-3102-061-A	CHASSIS ASSY, MECHANICAL	
202	*3-330-604-01	PLATE (C), LOCK	
203	*3-322-587-01	PLATE (B), LOCK	
204	X-3330-610-1	LEVER (R) ASSY, S.OFF	
205	3-322-555-01	LEVER (E), S.OFF	
206	*3-322-517-01	LEVER, AMS	
207	*X-3322-505-1	LEVER ASSY, FR	
208	*3-330-681-01	SHEET	
209	*3-330-829-11	LEVER (C), PAUSE BUTTON	
210	3-322-515-11	LEVER, REW BUTTON	
211	*3-322-585-11	LEVER, FF BUTTON	
212	3-322-693-01	SPRING, TENSION	
213	3-322-520-01	SPRING, TENSION	
214	*3-322-584-11	LEVER, PLAY BUTTON	
215	3-322-578-01	SPRING, FR	
216	*3-322-591-51	LEVER, REC BUTTON	
217	*3-322-583-11	LEVER, STOP BUTTON	
218	3-322-528-01	SPRING, TENSION	
219	3-322-577-01	SPRING, PAUSE	
220	*3-330-602-01	LEVER (R), DIRECTION	
221	3-570-615-00	POLY-WASHER (DIA.1.2)	
222	3-322-689-01	RING	
223	3-322-513-01	COLLAR	
224	3-322-509-01	GEAR (A), FWD	
225	3-322-576-01	SPRING, FWD GEAR	
226	*X-3322-504-1	ARM ASSY, FWD GEAR	
227	3-322-550-01	GEAR (B), FWD	
228	3-322-579-01	SPRING, SWITCH LEVER	
229	*3-322-589-01	LEVER, SWITCH	

(6) Deck B (1)
MF-W301RP-75D



No.	Part No.	Description	Remarks
251	3-558-620-11	GEAR, REWIND	
252	3-307-948-01	WASHER, NYLON	
253	3-313-357-00	CLAW, REC PREVENTION	
254	3-701-437-21	WASHER	
255	3-313-305-00	TABLE, REEL, SUPPLY	
256	3-313-344-00	SPRING, COMPRESSION	
257	3-313-333-00	CLAW, REEL	
258	3-558-708-01	WASHER, STOPPER	
259	X-3313-311-1	CHASSIS ASSY	
260	3-313-316-00	PULLEY	
261	3-334-717-01	BRACKET (M), HEAD	
262	3-313-361-00	ARM, ERASE HEAD	
263	3-313-339-00	SPRING	
264	*3-332-309-01	SPRING (B)	
266	3-703-597-41	PINCH ROLLER, STANDARD	
267	3-313-340-00	SPRING, COMPRESSION	
268	3-331-108-01	LUG (T), SEAM (t=0.1)	
	3-331-108-11	LUG (T), SEAM (t=0.2)	
	3-331-108-21	LUG (T), SEAM (t=0.3)	
	3-331-108-31	LUG (T), SEAM (t=0.4)	
	3-331-108-41	LUG (T), SEAM (t=0.5)	
269	3-578-138-01	SEAM (t=0.1)	
	3-578-138-11	SEAM (t=0.2)	
	3-578-138-21	SEAM (t=0.3)	
270	3-313-345-00	SPRING, COMPRESSION	
271	A-3130-031-A	TABLE ASSY, REEL, TAKE-UP	
272	3-313-902-00	SPRING	
273	X-3313-307-0	PULLEY ASSY, FWD	
274	X-3313-301-0	BRACKET ASSY, T PULLEY	
275	3-573-464-00	SPRING, COMPRESSION	
276	3-701-465-00	SCREW, LOCK	
278	7-671-112-11	BALL, STEEL	
279	3-324-220-01	SCREW (B2.6), TAPPING	
280	7-621-255-50	SCREW +B 2X8	
281	X-3319-945-1	BEARING ASSY, CAPSTAN	
282	3-318-203-71	SCREW (B1.7X5), TAPPING	
283	7-621-255-35	SCREW (2MMX5), + PWH	
HE901	8-658-096-02	HEAD, ERASE EBF5-36	
HRP901	1-543-283-11	HEAD, MAGNETIC (REC/PB)	

(7) Deck B (2)

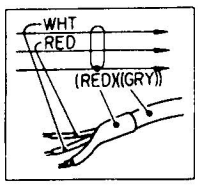


No.	Part No.	Description	Remarks
301	A-3102-092-A	CHASSIS ASSY, MECHANICAL	
302	3-313-380-01	CLAW (A), EJECT	
303	*3-313-351-11	PLATE (A), LOCK	
304	*3-331-145-01	PLATE (C), LOCK	
306	3-313-322-02	LEVER (A), S.OFF	
307	3-313-323-00	SPRING	
308	3-330-679-01	BRACKET (M), MOTOR	
309	X-3330-617-1	PULLEY (S), MOTOR ASSY	
310	3-701-438-11	WASHER, 2.5	
311	X-3592-309-1	FLYWHEEL (E) ASSY	
312	3-313-389-01	BELT	
313	3-313-331-00	SPRING	
314	*3-313-359-00	RETAINER, LEVER	
315	3-313-343-00	SPRING, TENSION	
316	3-313-369-00	SPRING, TENSION	
317	*3-313-320-00	LEVER, RCP	
318	*3-313-326-00	LEVER, FWD BUTTON	
319	*3-313-354-00	LEVER, REW BUTTON	
320	*3-313-353-00	LEVER, FF BUTTON	
321	*3-313-381-01	LEVER (B), PAUSE BUTTON	
322	*3-332-310-01	HOOK, SPRING	
323	3-313-348-00	SPRING, TENSION	
324	3-313-349-00	SPRING, TENSION	
325	3-313-313-00	SPRING	
326	3-313-314-00	LEVER (SI), FR	
327	3-313-315-00	SPRING	
328	X-3313-304-0	ARM ASSY, REW	
329	3-313-365-00	SPRING, TENSION	
330	A-3136-041-B	IDLER COMPLETE ASSY, FR	325-328,331
331	3-558-708-01	WASHER, STOPPER	
332	3-313-342-00	SPRING, TENSION	
333	*3-313-321-00	LEVER, PREVENTION, RFR	
334	3-313-356-00	BRAKE	
337	*3-313-350-00	LEVER, REC BUTTON	
338	*3-313-325-00	LEVER, STOP BUTTON	
339	3-322-529-01	SPRING, TENSION	
340	3-313-338-00	SPRING	
341	3-313-327-00	SPRING	
342	7-621-259-25	SCREW +P 2.6X4	
343	3-324-219-01	SCREW, PAN	
344	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
346	3-307-948-41	WASHER, NYLON	
347	3-313-378-01	SPRING (A)	
M902	1-541-317-11	MOTOR	

SECTION 2
DIAGRAMS

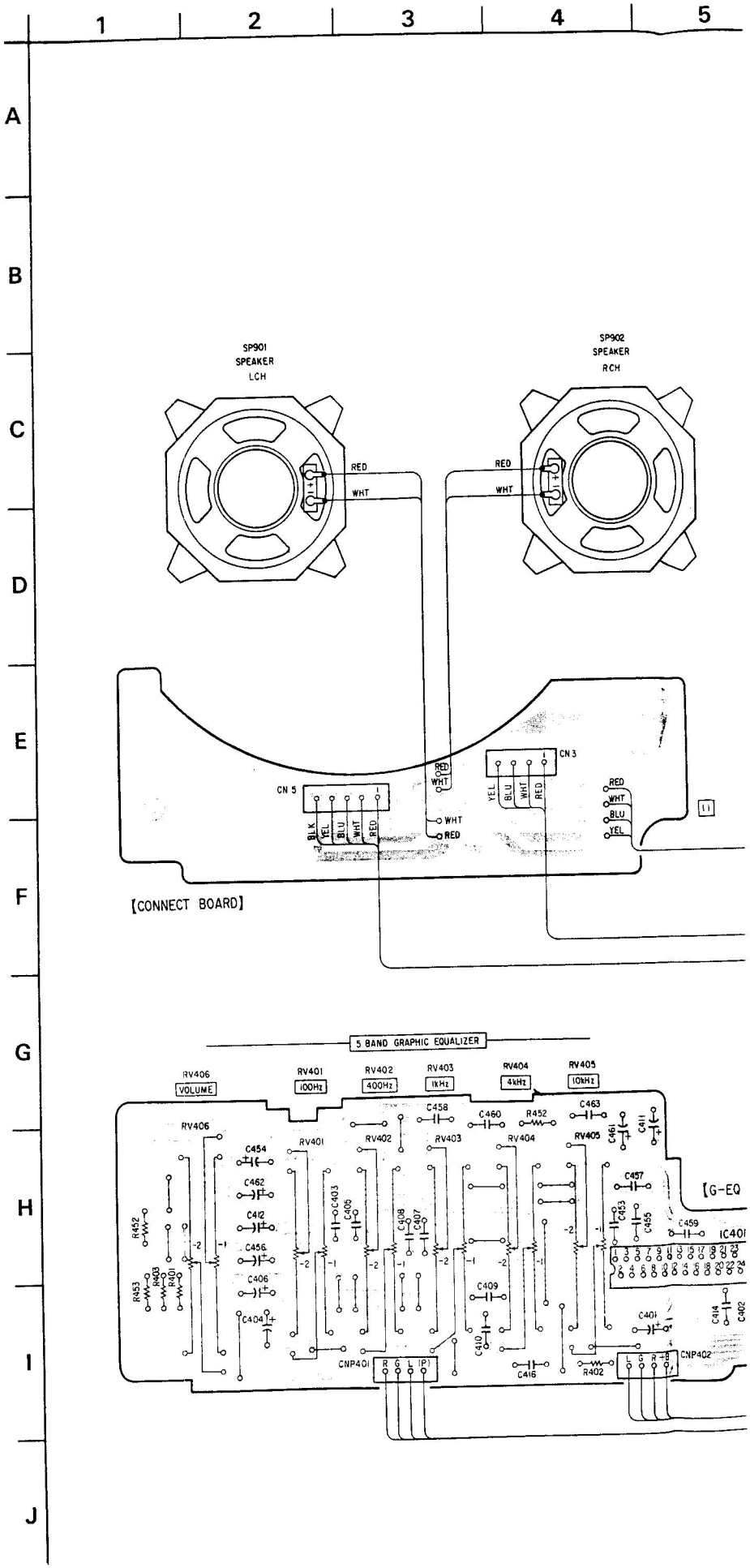
Note:

- Color code of sleeving over the end of the jacket.

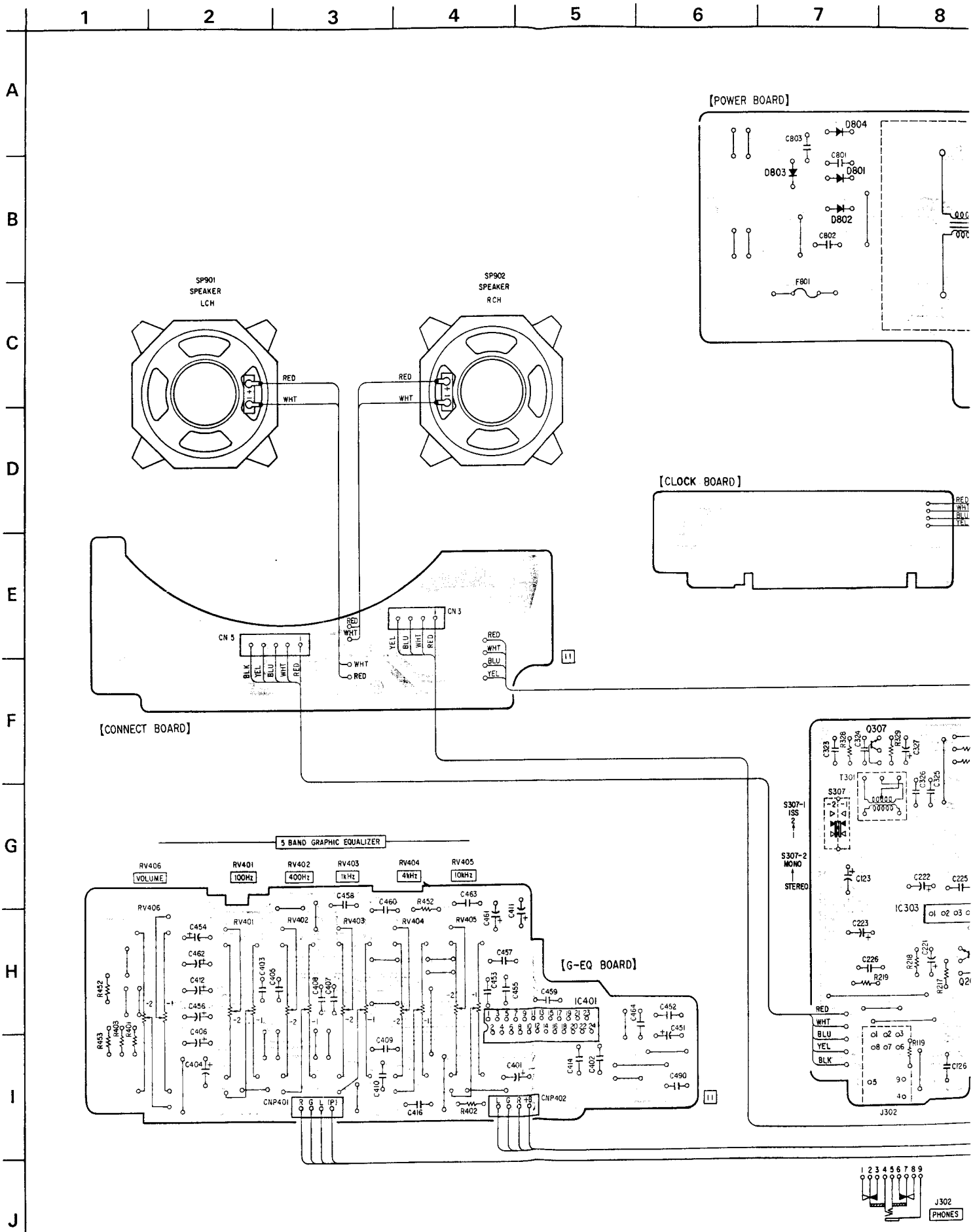


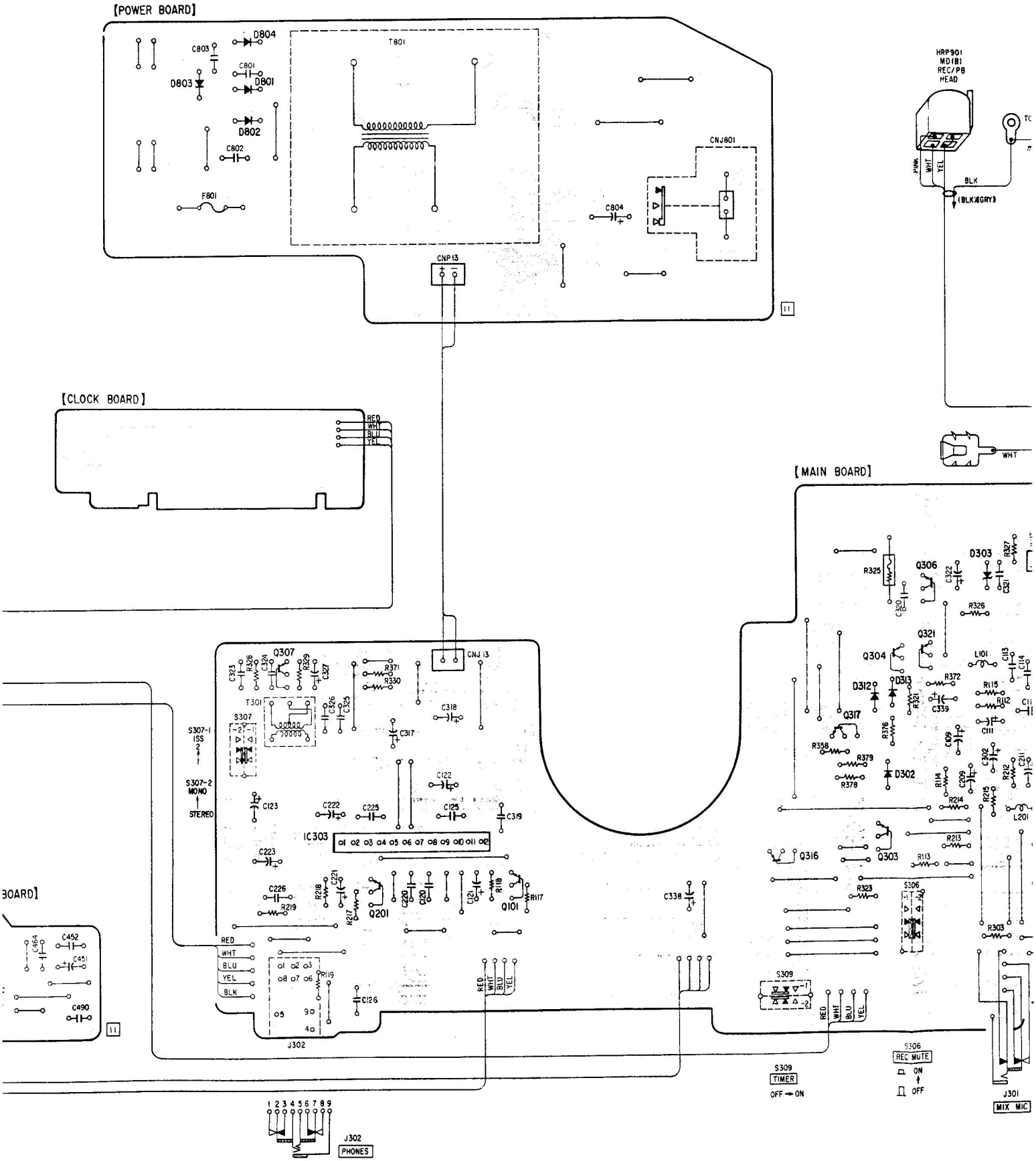
- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.

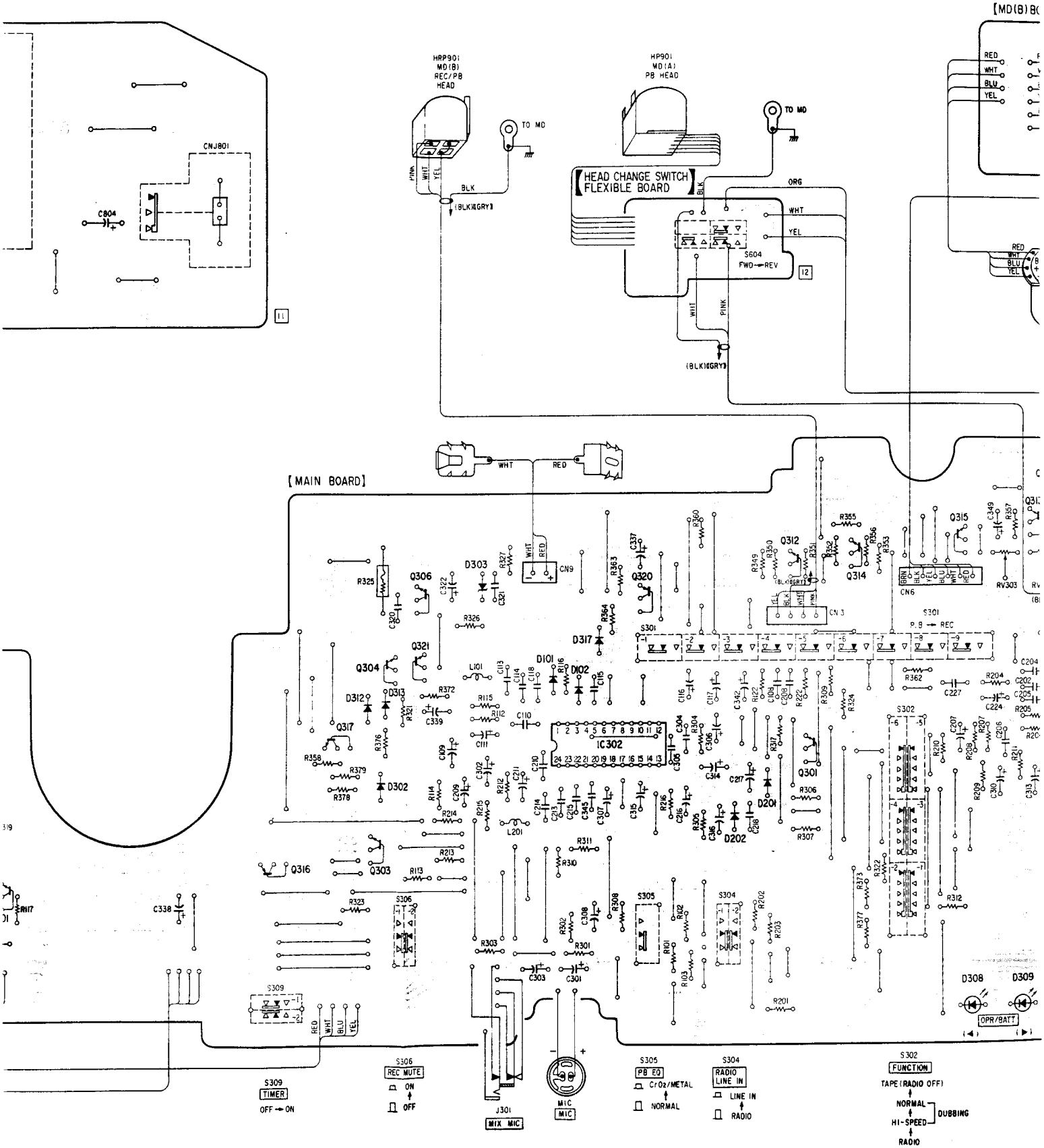
2-1. MOUNTING DIAGRAM

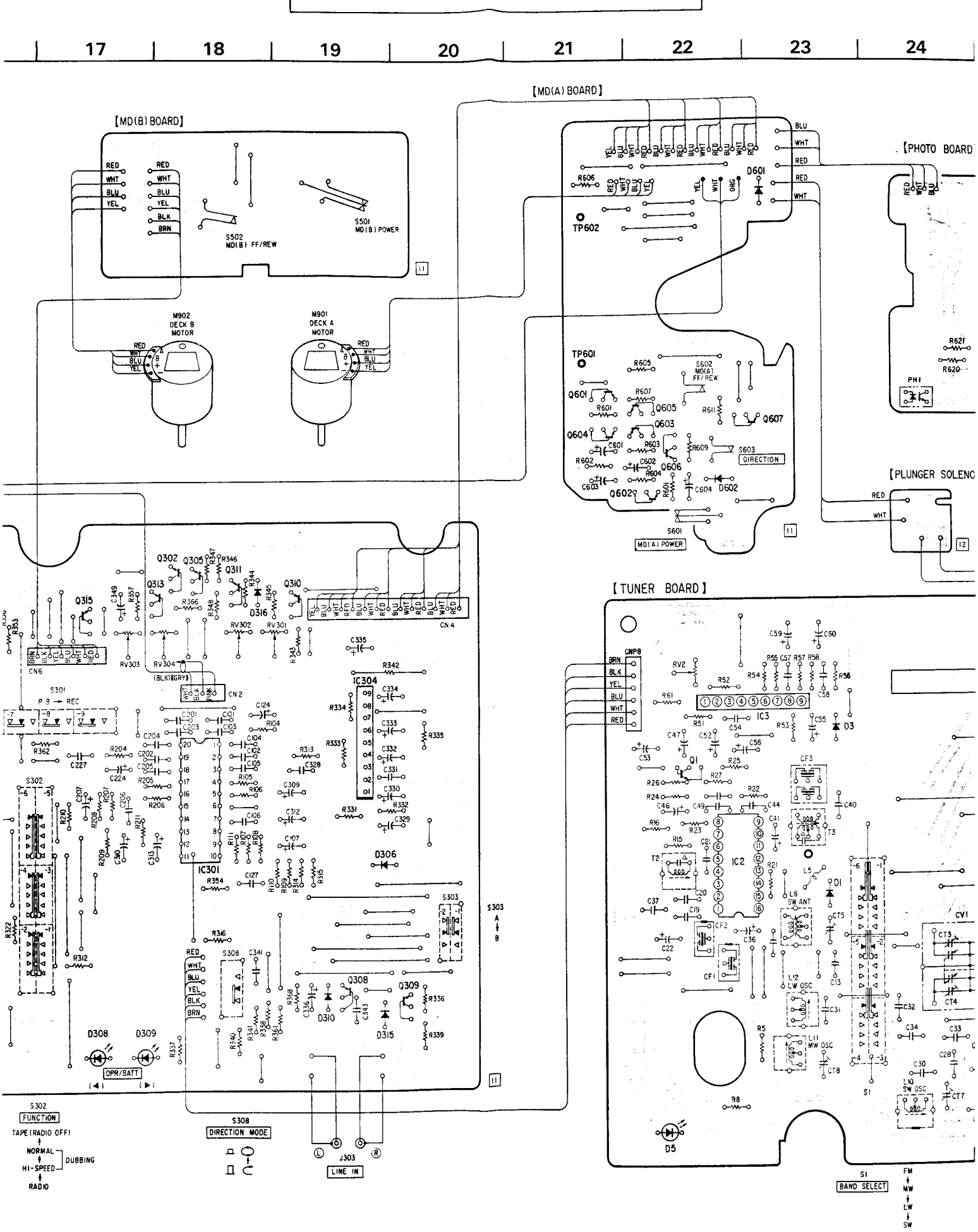


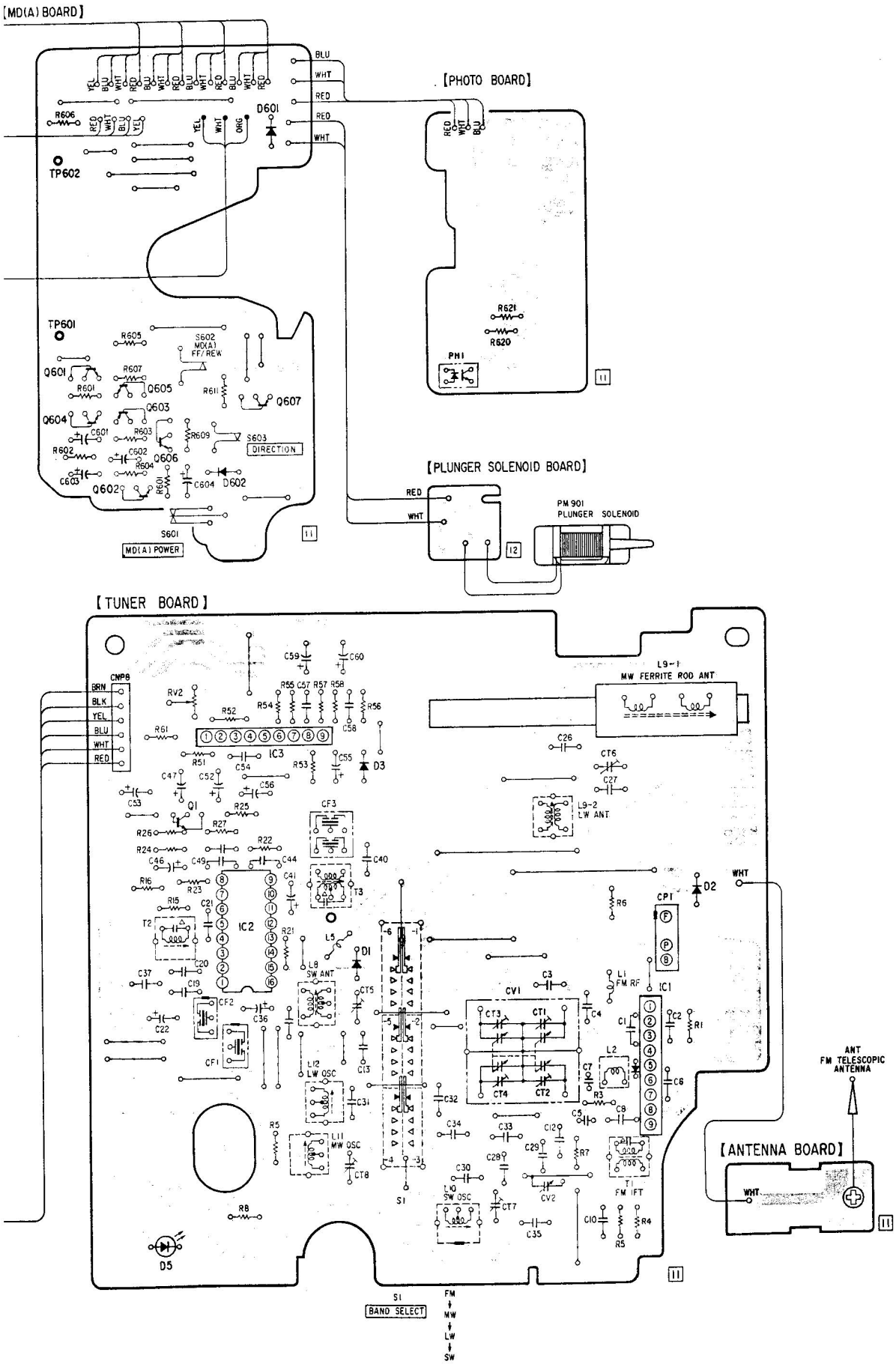
2-1. MOUNTING DIAGRAM



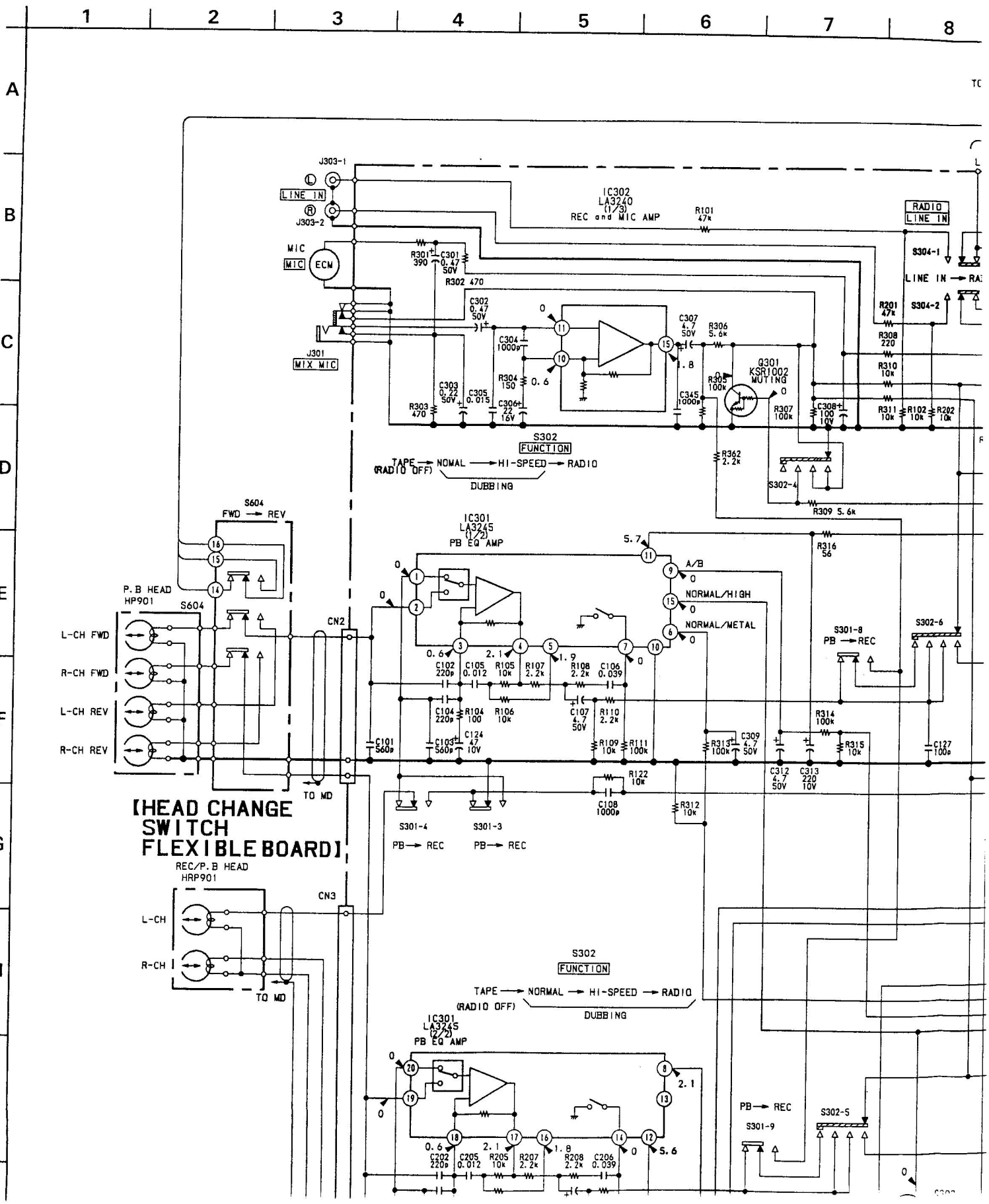

[POWER BOARD]
D804
C803
C801
D803
D801
D802
C802
F801
T801
CNJ801
C804
CNP13
HRP901
MD(B)
REC/PB
HEAD
PINK
WHT
YEL
BLK
(BLK/GRY)
[CLOCK BOARD]
RED
WHT
BLU
YEL
[MAIN BOARD]
Q307
CNJ13
T301
S307
S307-1
ISS
S307-2
MONO
STEREO
IC303
Q201
Q101
J302
RED
WHT
BLU
YEL
BLK
C452
C451
C464
C490
D303
Q306
Q321
Q304
L101
D312
D313
Q317
D302
Q316
Q303
S306
S309
TIMER
OFF → ON
REC MUTE
ON
OFF
J301
MIX MIC
J302
PHONES
1 2 3 4 5 6 7 8 9

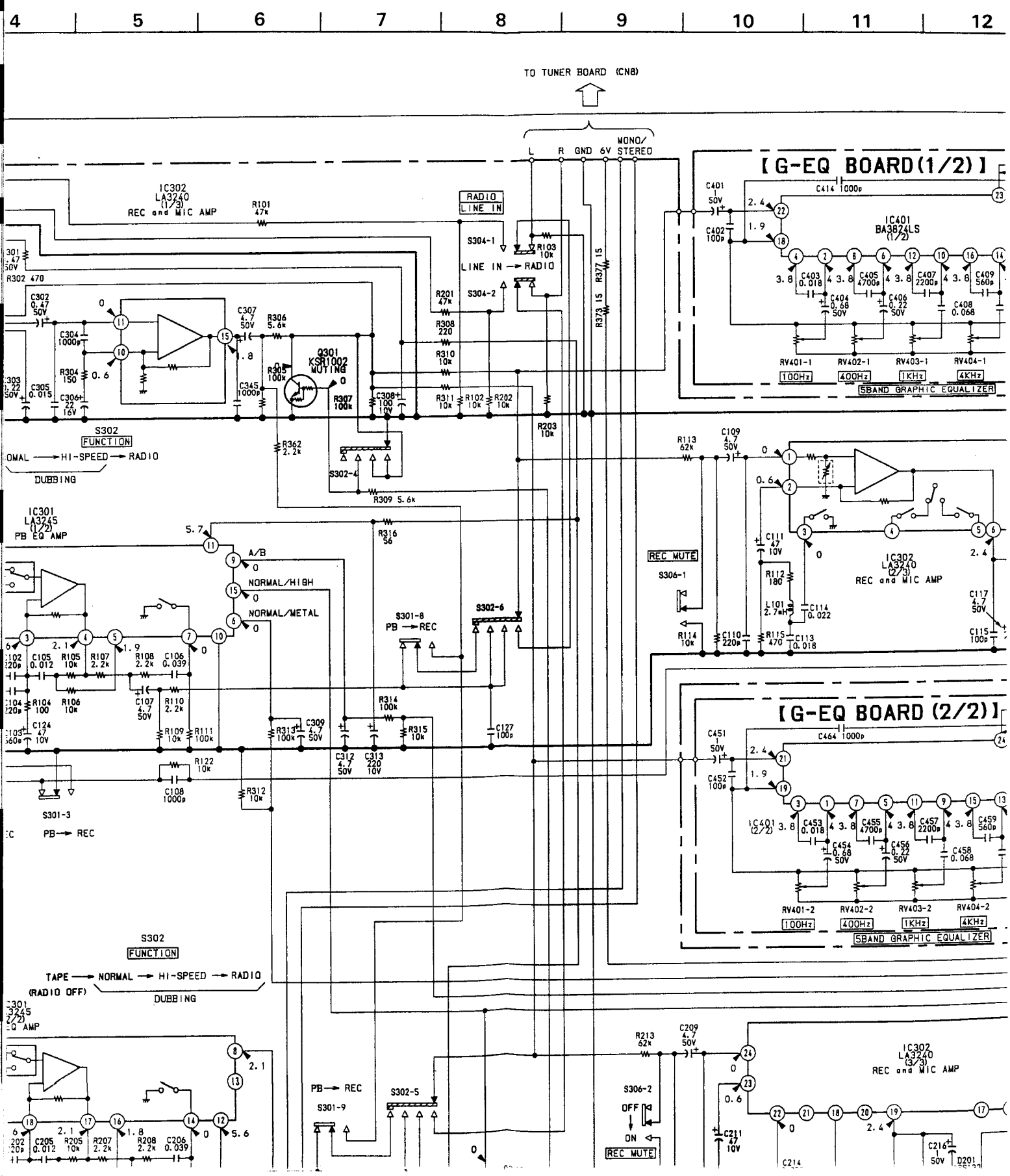

[MD(B)B
HRP901
MD(B)
REC/PB
HEAD
HP901
MD(A)
PB HEAD
TO MD
TO MD
CNJB01
C804
[HEAD CHANGE SWITCH
FLEXIBLE BOARD]
BLK
ORG
WHT
YEL
S604
FWD⇔REV
PINK
(BLK)(GRY)
RED
WHT
BLU
YEL
[MAIN BOARD]
CN9
CN6
CN3
S301
P.B ⇔ REC
IC302
S302
S303
S304
S305
S306
S309
J301
MIX MIC
MIC
MIC
D308
D309
OPR/BATT
S309
TIMER
OFF ⇔ ON
S306
REC MUTE
ON
OFF
S305
PB EQ
CrO2/METAL
NORMAL
S304
RADIO
LINE IN
LINE IN
RADIO
S302
FUNCTION
TAPE(RADIO OFF)
NORMAL
HI-SPEED
DUBBING
RADIO


17
18
19
20
21
22
23
24
【MD(B) BOARD】
【MD(A) BOARD】
【PHOTO BOARD
【PLUNGER SOLENO
【TUNER BOARD】
S501 MD(B) POWER
S502 MD(B) FF/REW
M902 DECK B MOTOR
M901 DECK A MOTOR
TP602
TP601
D601
S602 MD(A) FF/REW
S603 DIRECTION
S601 MD(A) POWER
D602
PH1
R620
R621
CN4
CN6
CN2
S301 P.B → REC
IC304
IC301
IC1
IC2
IC3
S303 A B
D306
D308
D309
D310
D315
OPR/BATT
S302 FUNCTION
TAPE (RADIO OFF)
NORMAL
HI-SPEED
DUBBING
RADIO
S308 DIRECTION MODE
J303 LINE IN
CNP8
D5
S1 BAND SELECT
FM
MW
LW
SW


[MD(A) BOARD]
[PHOTO BOARD]
[PLUNGER SOLENOID BOARD]
[TUNER BOARD]
[ANTENNA BOARD]
TP602
TP601
D601
R606
R605
S602
MD(A) FF/REW
Q601
R607
Q605
R601
R611
Q607
Q603
Q604
C601
R603
R609
S603
DIRECTION
R602
C602
Q606
R604
C603
R610
C604
D602
Q602
S601
MD(A) POWER
R621
R620
PH1
PM 901
PLUNGER SOLENOID
CNP8
BRN
BLK
YEL
BLU
WHT
RED
RV2
R52
R54
R55
C57
R57
R58
R56
C58
R61
IC3
R51
C54
R53
C55
D3
C47
C52
C56
C53
Q1
R25
R26
R27
CF3
R24
R22
C46
C49
C44
C40
T3
R16
R23
C41
R15
C21
T2
IC2
R21
L5
PD1
C37
C20
C19
L8
SW ANT
CT5
CF2
C22
C36
CF1
L12
LW OSC
CT3
C31
C32
R5
L11
MW OSC
CT8
S1
C34
C33
CI2
C29
R7
C28
C30
L10
SW OSC
CT7
CV2
C35
T1
FM IFT
CI0
R4
R5
R8
D5
S1
BAND SELECT
FM
MW
LW
SW
L9-1
MW FERRITE ROD ANT
C26
CT6
C27
L9-2
LW ANT
WHT
D2
R6
CP1
L1
FM RF
IC1
CV1
CT3
CT1
CT4
CT2
C3
C4
C1
C2
R1
L2
C7
R3
C5
C8
C6
ANT
FM TELESCOPIC ANTENNA
WHT

2-2. SCHEMATIC DIAGRAM –MAIN SECTION–

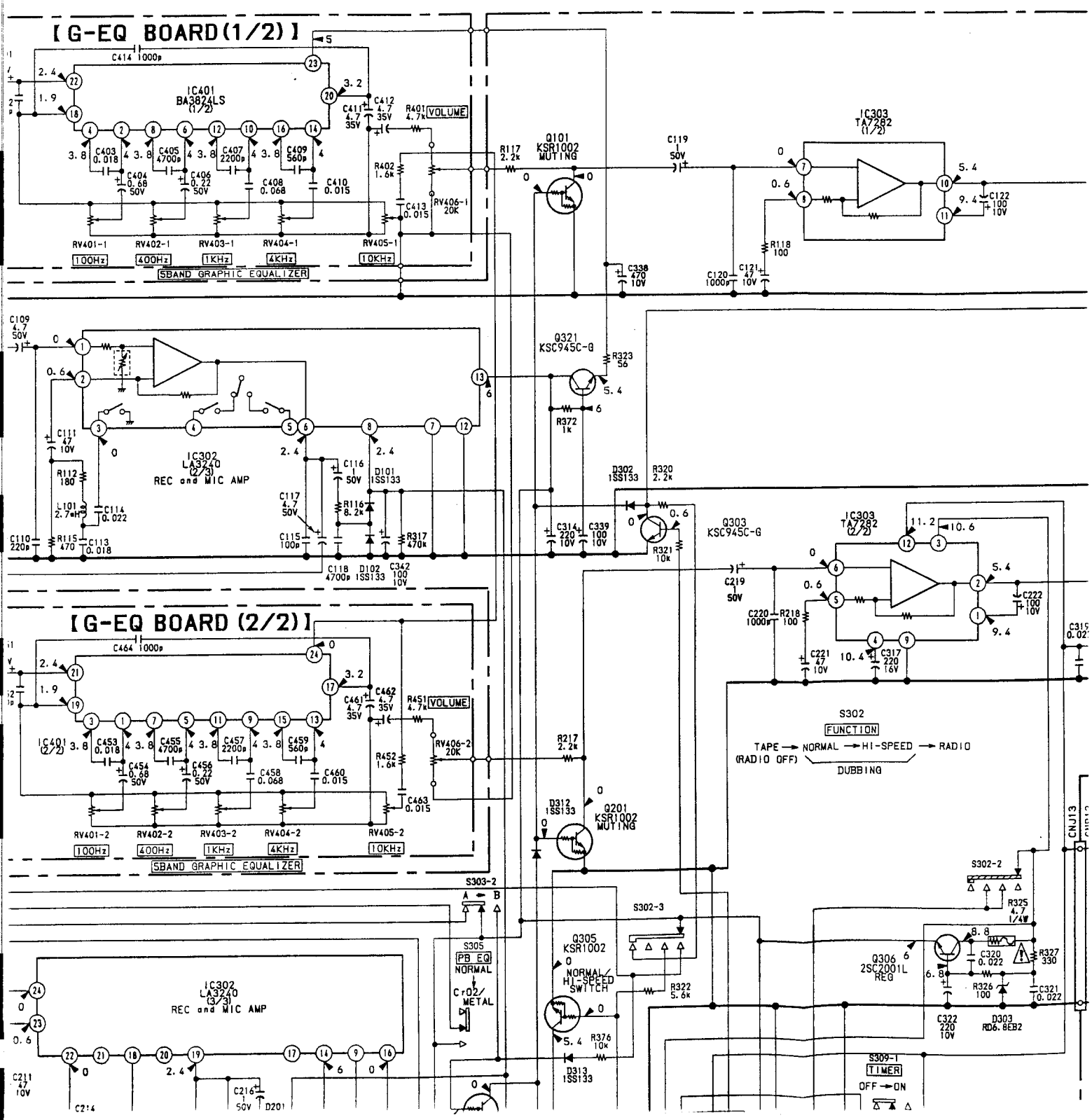



4
5
6
7
8
9
10
11
12
TO TUNER BOARD (CN8)
L R GND 6V MONO/STEREO
[G-EQ BOARD(1/2)]
IC401 BA3824LS (1/2)
100Hz 400Hz 1KHz 4KHz
5BAND GRAPHIC EQUALIZER
IC302 LA3240 (1/3) REC and MIC AMP
RADIO LINE IN
LINE IN → RADIO
Q301 KSR1002 MUTING
S302 FUNCTION
TAPE → NORMAL → HI-SPEED → RADIO
(RADIO OFF)
DUBBING
IC301 LA3245 (1/2) PB EQ AMP
A/B
NORMAL/HIGH
NORMAL/METAL
S301-8 PB → REC
S302-6
S301-3 PB → REC
REC MUTE
S306-1
IC302 LA3240 (2/3) REC and MIC AMP
[G-EQ BOARD (2/2)]
IC401 (2/2)
RV401-2 RV402-2 RV403-2 RV404-2
S302-5
S301-9
S306-2 OFF ON
IC302 LA3240 (3/3) REC and MIC AMP

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : fusible resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18



capacitors are in μF unless otherwise noted. pF: μμF
V or less are not indicated except for electrolytics tantalums.

resistors are in Ω and 1/4 W or less unless otherwise ified.

: fusible resistor.

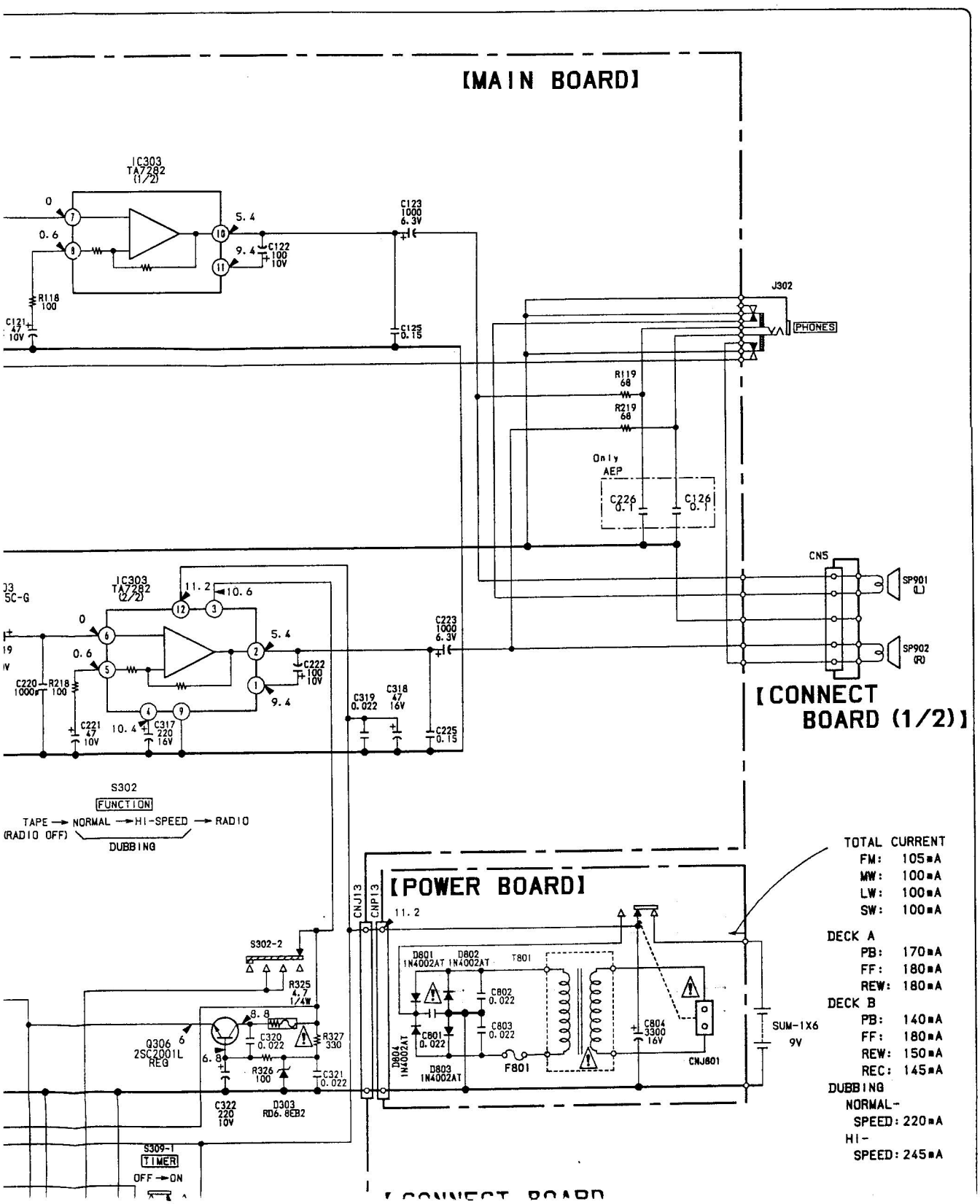
h with sliding contact indicated by hatched lines s shorting type.

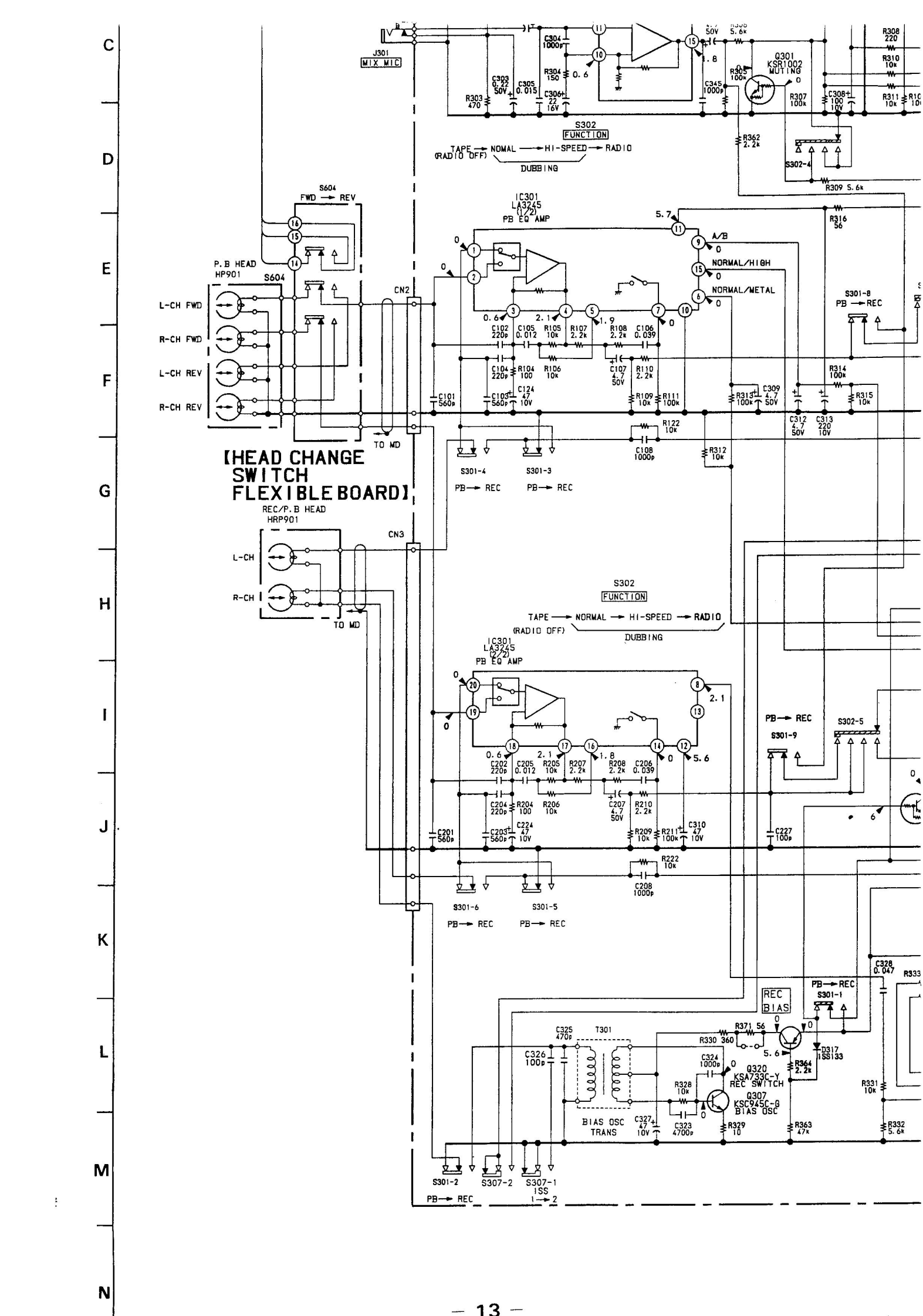
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).

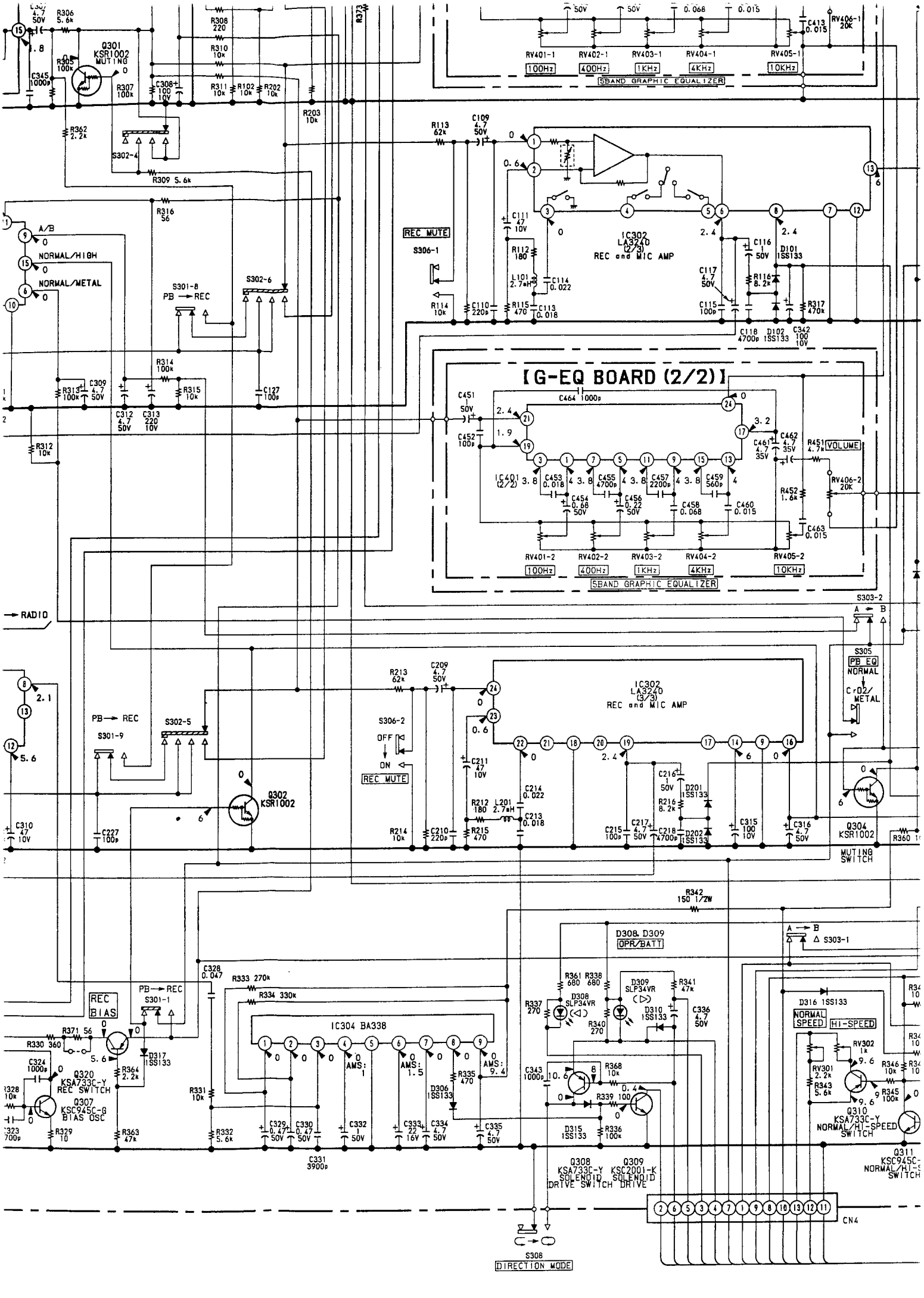
No mark: FM or PB

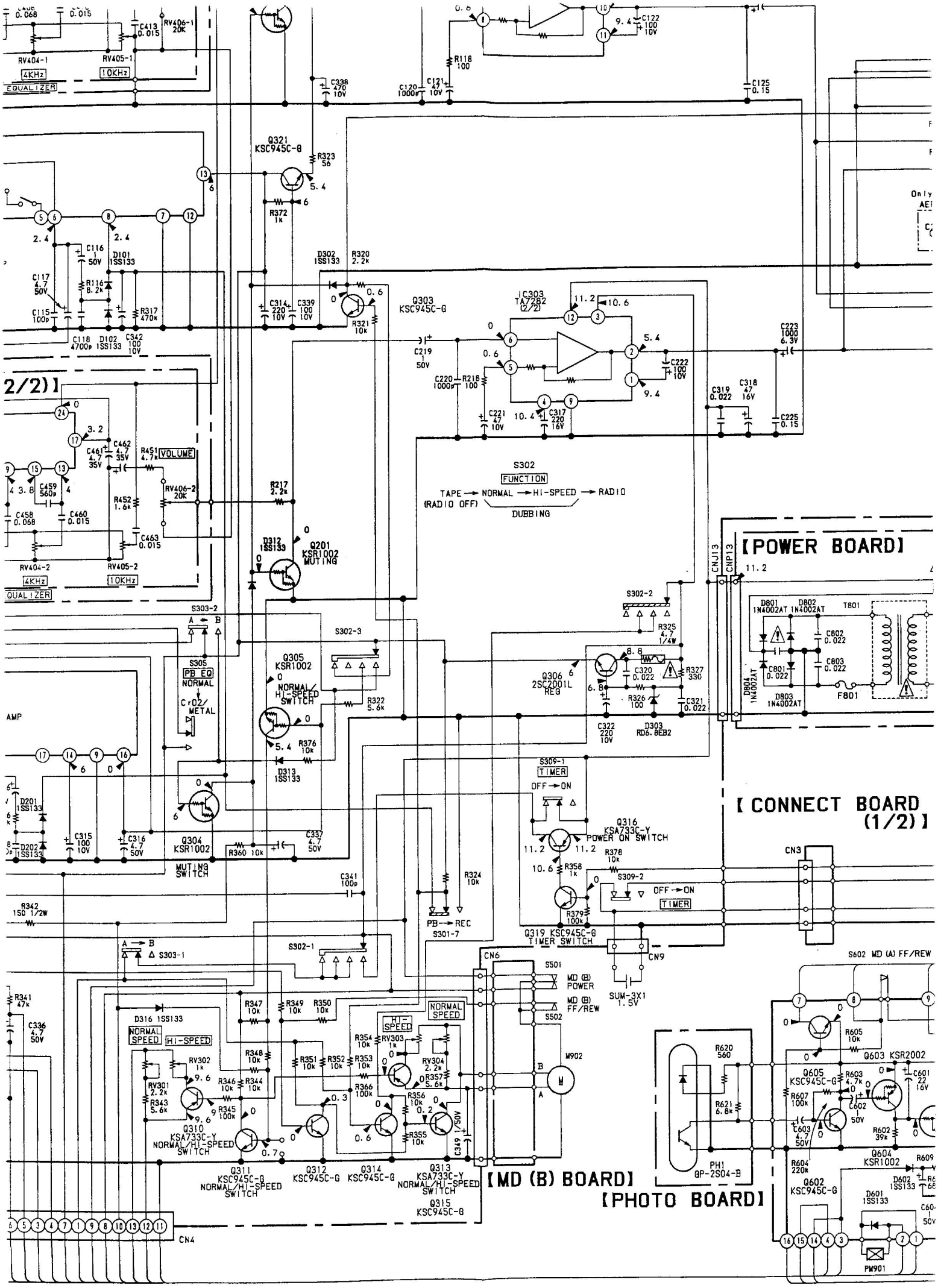
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

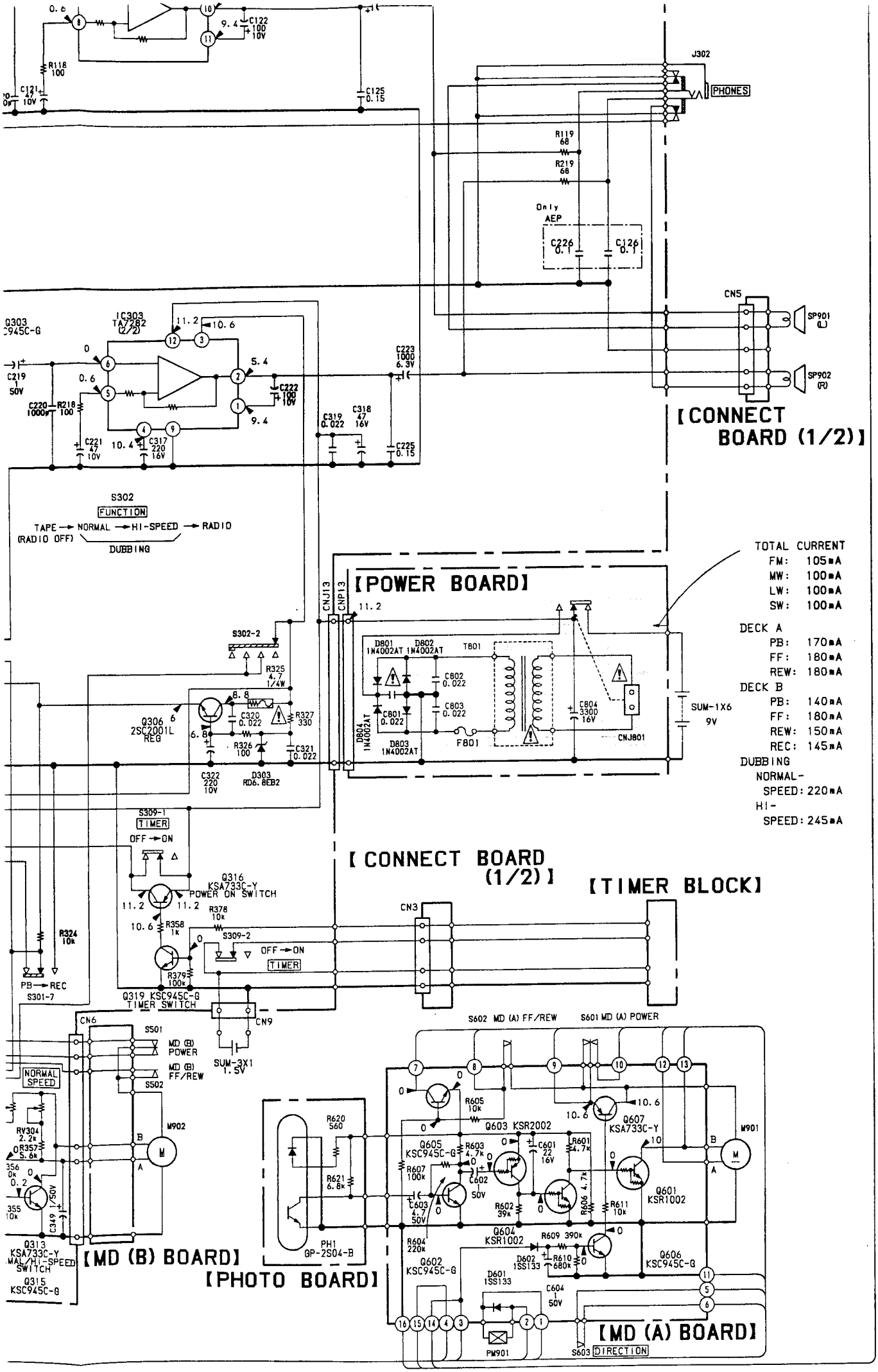
16 17 18 19 20 21 22 23




J301
MIX MIC
S302
FUNCTION
TAPE → NOMAL → HI-SPEED → RADIO
(RADIO OFF)
DUBBING
Q301
KSR1002
MUTING
S604
FWD → REV
P.B HEAD
HP901
L-CH FWD
R-CH FWD
L-CH REV
R-CH REV
CN2
TO MD
IC301
LA3245
(1/2)
PB EQ AMP
A/B
NORMAL/HIGH
NORMAL/METAL
S301-8
PB → REC
S301-4
S301-3
PB → REC
PB → REC
【HEAD CHANGE
SWITCH
FLEXIBLE BOARD】
REC/P.B HEAD
HRP901
CN3
L-CH
R-CH
TO MD
S302
FUNCTION
TAPE → NORMAL → HI-SPEED → RADIO
(RADIO OFF)
DUBBING
IC301
LA3245
(2/2)
PB EQ AMP
PB → REC
S302-5
S301-9
S301-6
S301-5
PB → REC
PB → REC
REC
BIAS
PB → REC
S301-1
T301
BIAS OSC
TRANS
Q320
KSA733C-Y
REC SWITCH
Q307
KSC945C-B
BIAS OSC
D317
1SS133
S301-2
S307-2
S307-1
1SS
PB → REC
1 → 2


[G-EQ BOARD (2/2)]
5BAND GRAPHIC EQUALIZER
IC302 LA3240 (2/3) REC and MIC AMP
IC401 (2/2)
IC302 LA3240 (3/3) REC and MIC AMP
IC304 BA338
Q301 KSR1002 MUTING
Q302 KSR1002
Q304 KSR1002 MUTING SWITCH
Q307 KSC945C-G BIAS OSC
Q308 KSA733C-Y SOLENOID DRIVE SWITCH
Q309 KSC2001-K SOLENOID DRIVE
Q310 KSA733C-Y NORMAL/HI-SPEED SWITCH
Q311 KSC945C- NORMAL/HI-S SWITCH
Q320 KSA733C-Y REC SWITCH
REC MUTE
S306-1
S306-2
S301-8 PB → REC
S301-9
S302-4
S302-5
S302-6
S303-1
S303-2
S305 PB EQ NORMAL CrO2/METAL
S308 DIRECTION MODE
A/B
NORMAL/HIGH
NORMAL/METAL
REC BIAS
PB → REC
OFF
ON
→ RADIO
D308, D309 OPR/BATT
D316 1SS133
NORMAL SPEED
HI-SPEED
RV401-1 100Hz
RV402-1 400Hz
RV403-1 1KHz
RV404-1 4KHz
RV405-1 10KHz
RV401-2 100Hz
RV402-2 400Hz
RV403-2 1KHz
RV404-2 4KHz
RV405-2 10KHz
RV406-1 20K
RV406-2 20K
RV301 2.2k
RV302 1k
VOLUME
CN4


【POWER BOARD】
【CONNECT BOARD (1/2)】
【MD (B) BOARD】
【PHOTO BOARD】
EQUALIZER
4KHz
10KHz
VOLUME
AMP
S302 FUNCTION
TAPE → NORMAL → HI-SPEED → RADIO
(RADIO OFF)
DUBBING
S305 PB EQ NORMAL CrO2/METAL
S309-1 TIMER OFF → ON
S309-2 OFF → ON TIMER
PB → REC
S301-7
S602 MD (A) FF/REW
MD (B) POWER
MD (B) FF/REW
SUM-3X1 1.5V
Q303 KSC945C-G
Q305 KSR1002 NORMAL/HI-SPEED SWITCH
Q306 2SC2001L REG
Q310 KSA733C-Y NORMAL/HI-SPEED SWITCH
Q311 KSC945C-G NORMAL/HI-SPEED SWITCH
Q312 KSC945C-G
Q313 KSA733C-Y NORMAL/HI-SPEED SWITCH
Q314 KSC945C-G
Q315 KSC945C-G
Q316 KSA733C-Y POWER ON SWITCH
Q319 KSC945C-G TIMER SWITCH
Q321 KSC945C-G
Q201 KSR1002 MUTING
Q304 KSR1002 MUTING SWITCH
Q603 KSR2002
Q604 KSR1002
Q605 KSC945C-G
Q602 KSC945C-G
IC303 TA7282 (2/2)
D801 1N4002AT
D802 1N4002AT
D803 1N4002AT
D804 1N4002AT
T801
F801
PH1 GP-2S04-B
PW901
CN3
CN4
CN6
CN9
CNJ13
CNP13
S501
S502
M902



TOTAL CURRENT
FM: 105mA
MW: 100mA
LW: 100mA
SW: 100mA

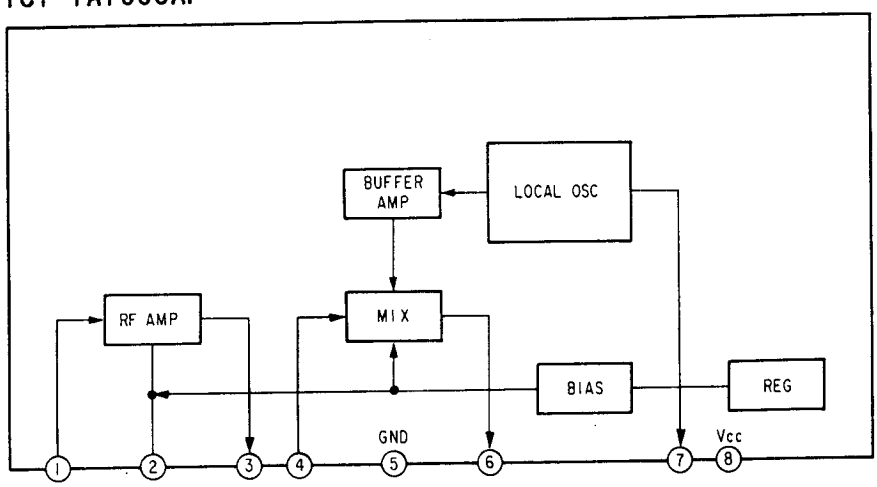
DECK A
PB: 170mA
FF: 180mA
REW: 180mA

DECK B
PB: 140mA
FF: 180mA
REW: 150mA
REC: 145mA

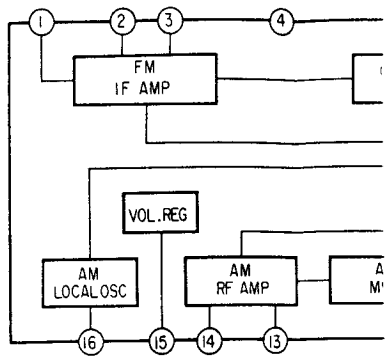
DUBBING
NORMAL-SPEED: 220mA
HI-SPEED: 245mA

–IC BLOCK DIAGRAMS–

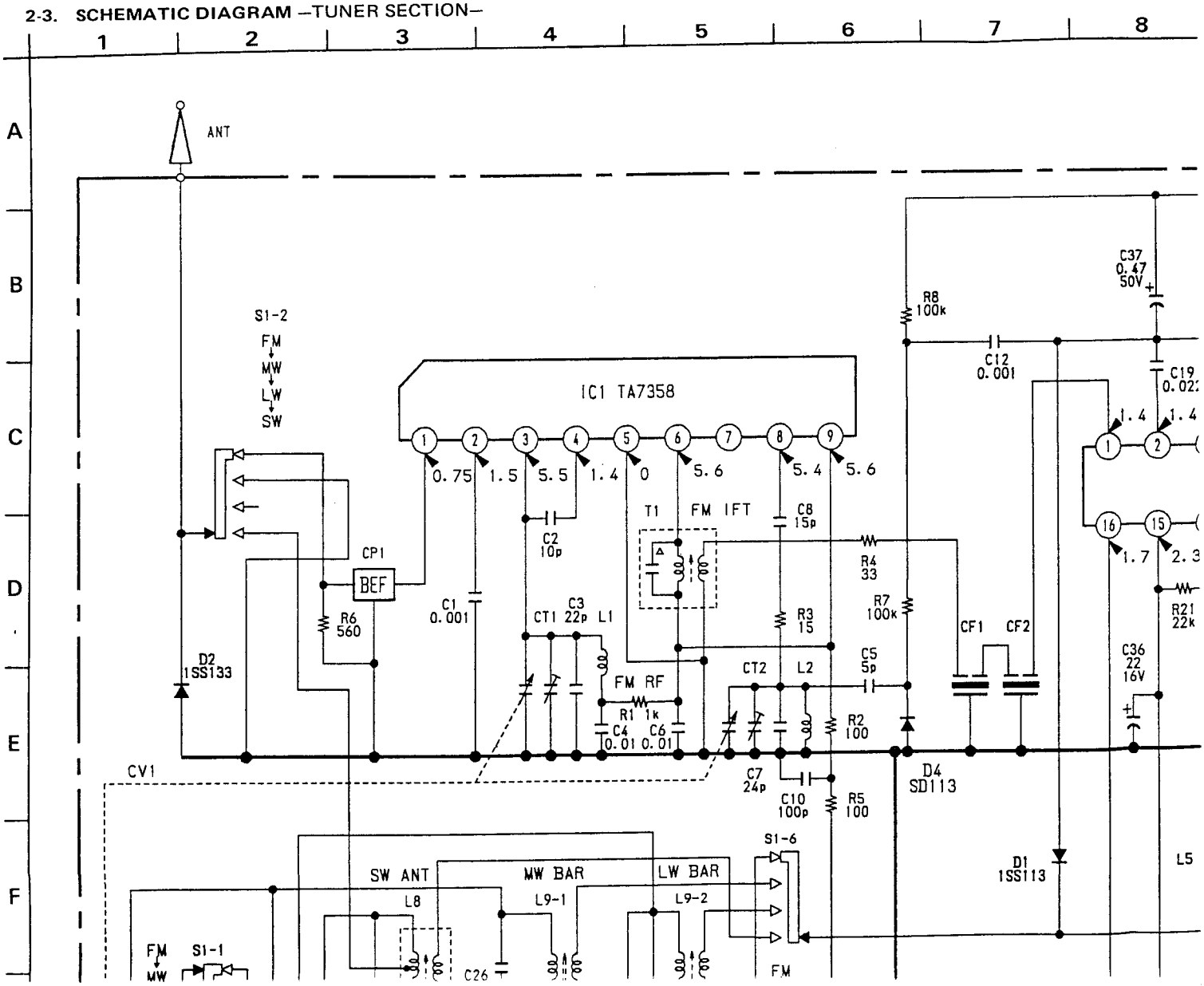
IC1 TA7358AP

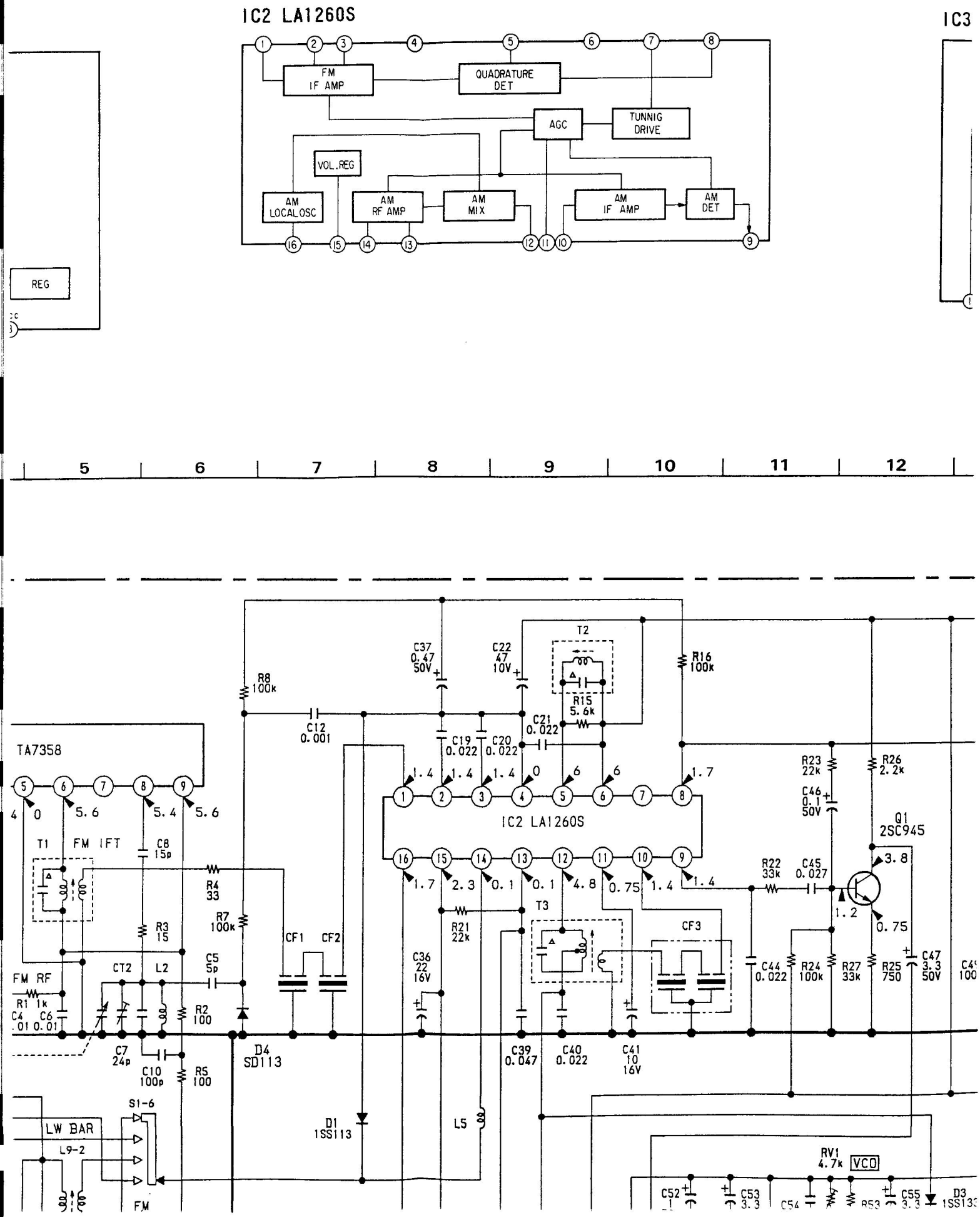


IC2 LA1260S

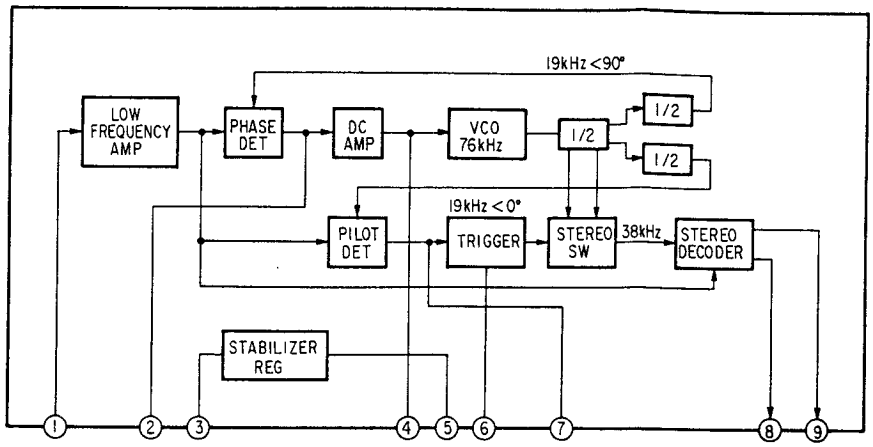


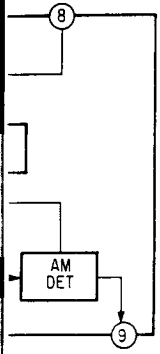
2-3. SCHEMATIC DIAGRAM –TUNER SECTION–




IC2 LA1260S
FM IF AMP
QUADRATURE DET
AGC
TUNNIG DRIVE
VOL.REG
AM LOCALOSC
AM RF AMP
AM MIX
AM IF AMP
AM DET
REG
IC3
5
6
7
8
9
10
11
12
TA7358
IC2 LA1260S
T1 FM IFT
T2
T3
CF1
CF2
CF3
CT2
L2
L5
D1 1SS113
D4 SD113
S1-6
LW BAR
L9-2
FM
Q1 2SC945
RV1 4.7k VCO
R8 100k
R16 100k
R15 5.6k
R23 22k
R26 2.2k
R22 33k
R21 22k
R24 100k
R27 33k
R25 750
C37 0.47 50V
C22 47 10V
C12 0.001
C19 0.022
C20 0.022
C21 0.022
C46 0.1 50V
C45 0.027
C44 0.022
C47 3.3 50V
C36 22 16V
C39 0.047
C40 0.022
C41 10 16V
C8 15p
C5 5p
C7 24p
C10 100p
R4 33
R7 100k
R3 15
R2 100
R5 100
R1 1k
C4 .01
C6 0.01
C52
C53 3.3
C55 3.3
D3 1SS13

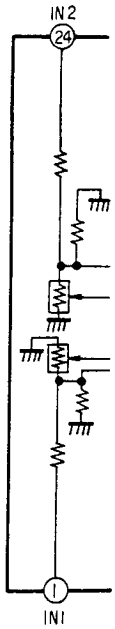
IC3 TA7343AP

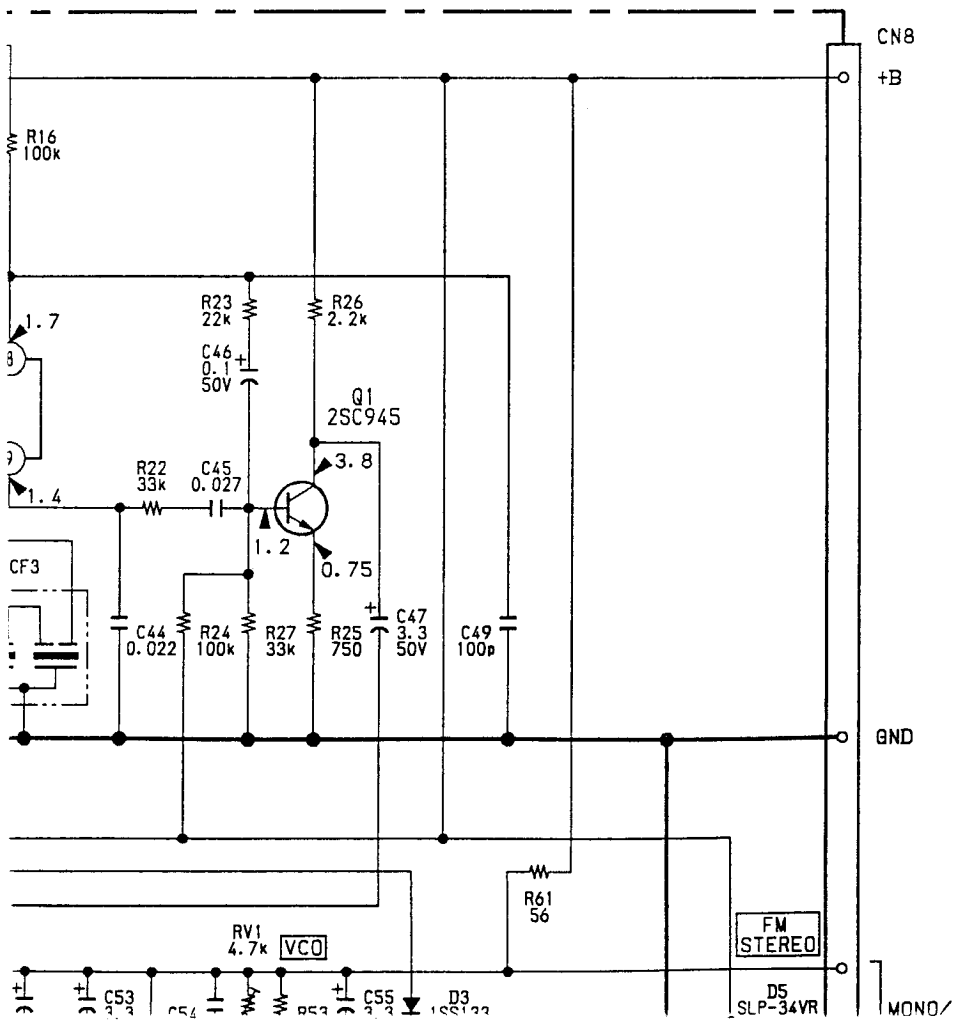




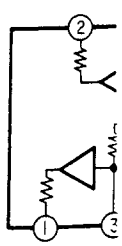
IC301

IC302

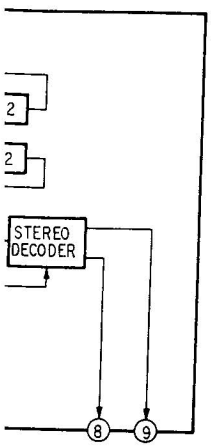




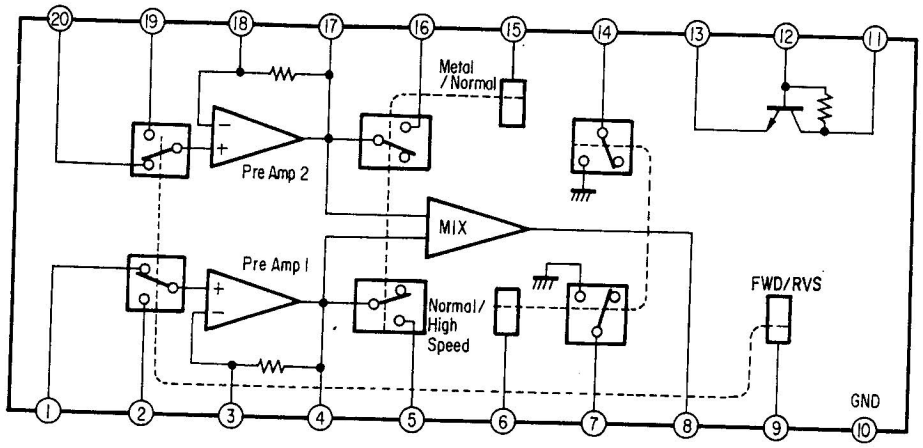
IC401 E



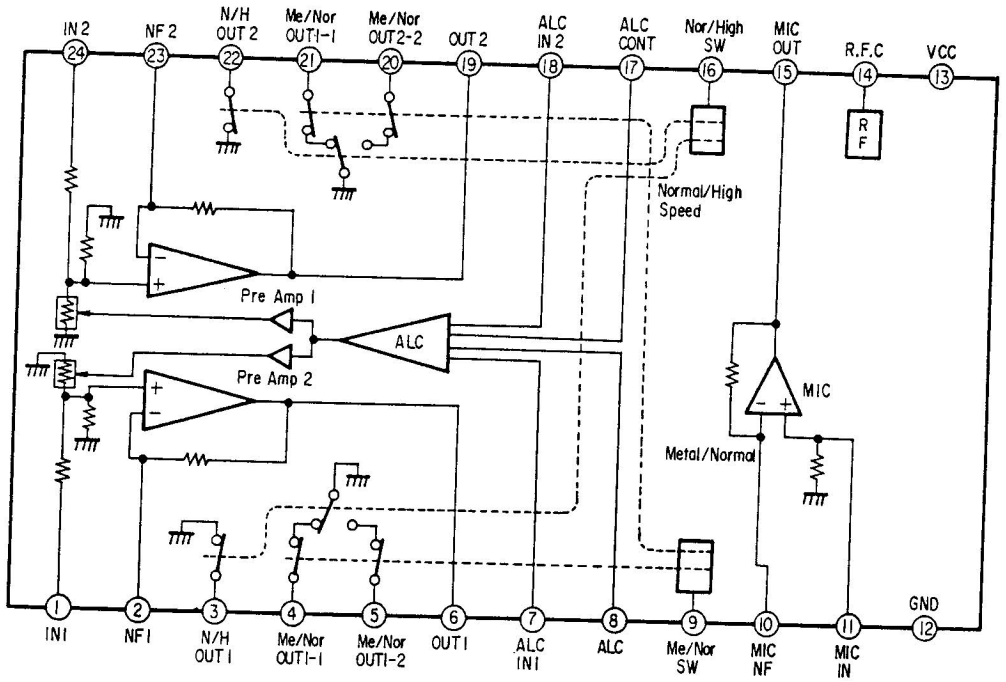
Note



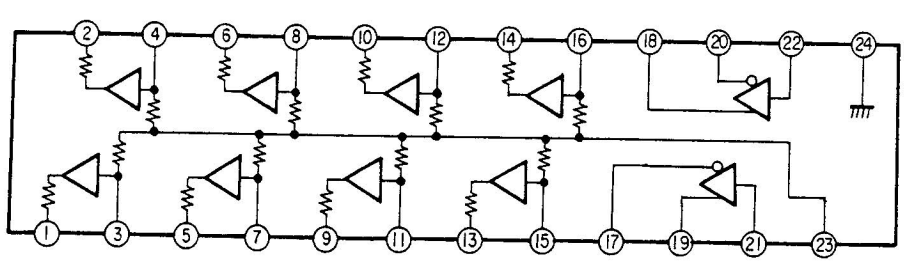
IC301 LA3245



IC302 LA3240



IC401 BA3824LS

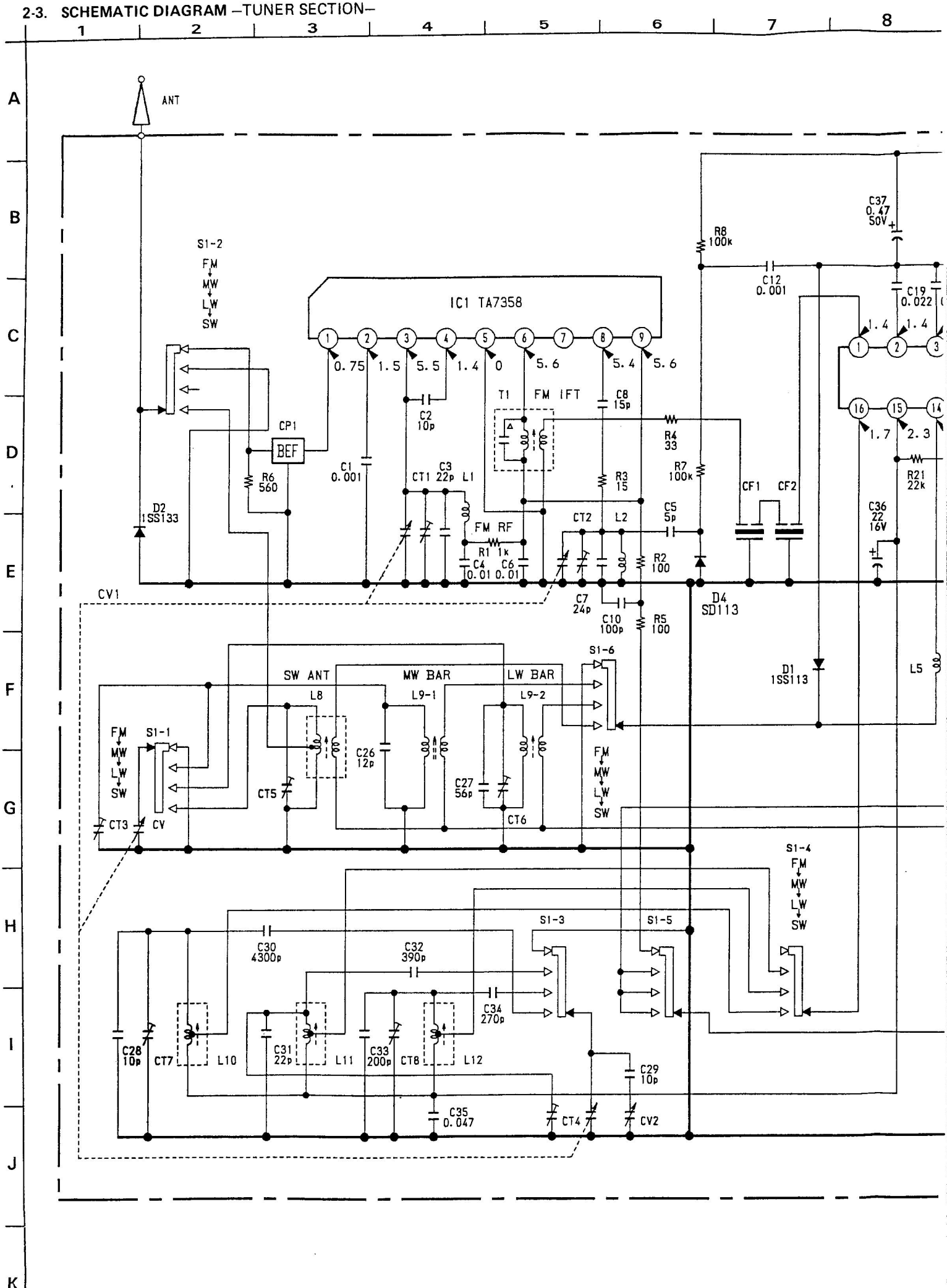


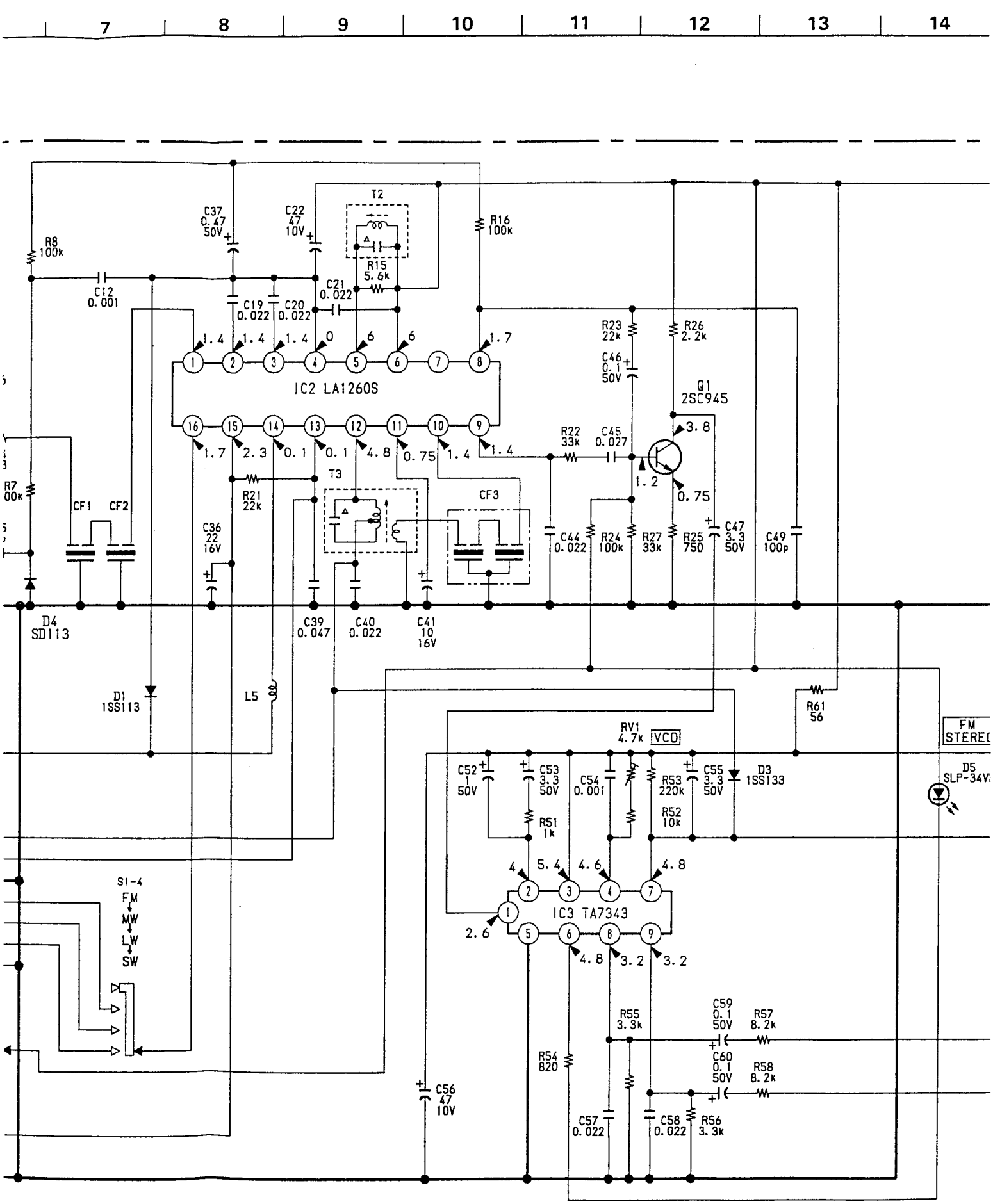
6

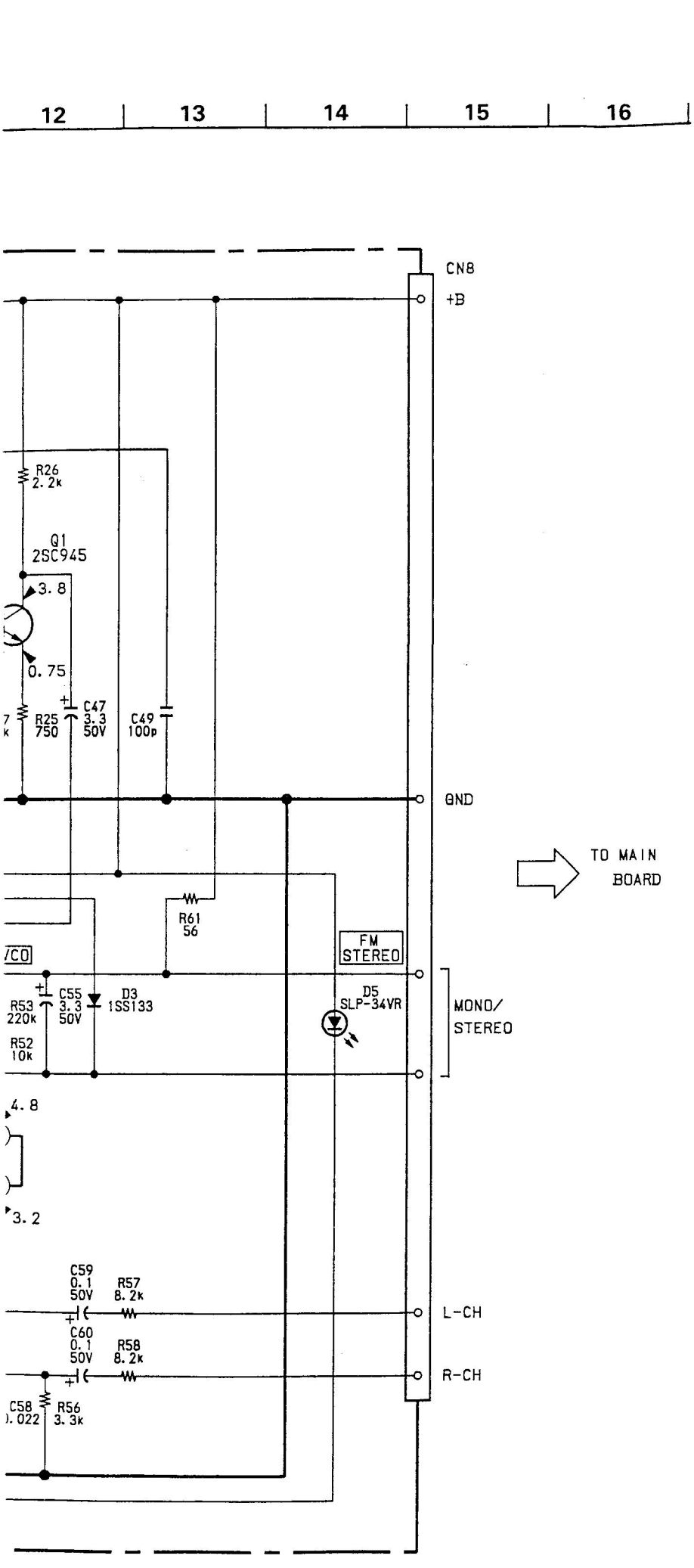
AIN
)ARD

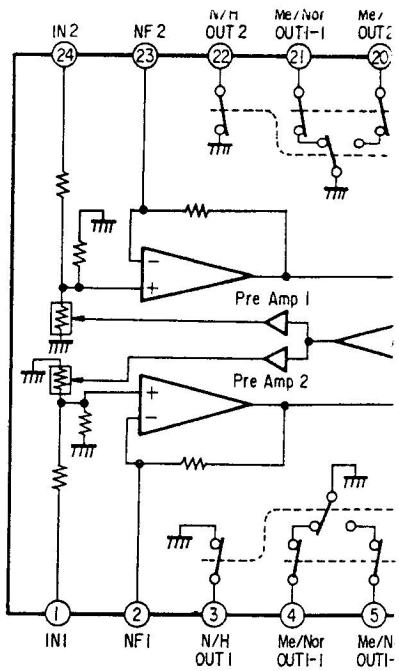
Note:

2-3. SCHEMATIC DIAGRAM –TUNER SECTION–

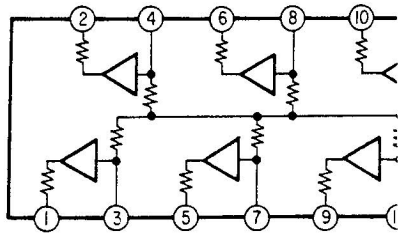



7
8
9
10
11
12
13
14
T2
C37 0.47 50V
C22 47 10V
R16 100k
R8 100k
R15 5.6k
C12 0.001
C21 0.022
C19 0.022
C20 0.022
IC2 LA1260S
R23 22k
R26 2.2k
C46 0.1 50V
Q1 2SC945
R22 33k
C45 0.027
T3
R21 22k
CF1
CF2
CF3
C36 22 16V
C44 0.022
R24 100k
R27 33k
R25 750
C47 3.3 50V
C49 100p
D4 SD113
C39 0.047
C40 0.022
C41 10 16V
D1 1SS113
L5
R61 56
RV1 4.7k VCO
C52 1 50V
C53 3.3 50V
C54 0.001
R53 220k
C55 3.3 50V
D3 1SS133
R51 1k
R52 10k
IC3 TA7343
S1-4
FM
MW
LW
SW
R55 3.3k
C59 0.1 50V
R57 8.2k
R54 820
C60 0.1 50V
R58 8.2k
C56 47 10V
C57 0.022
C58 0.022
R56 3.3k
FM STEREO
D5 SLP-34VI



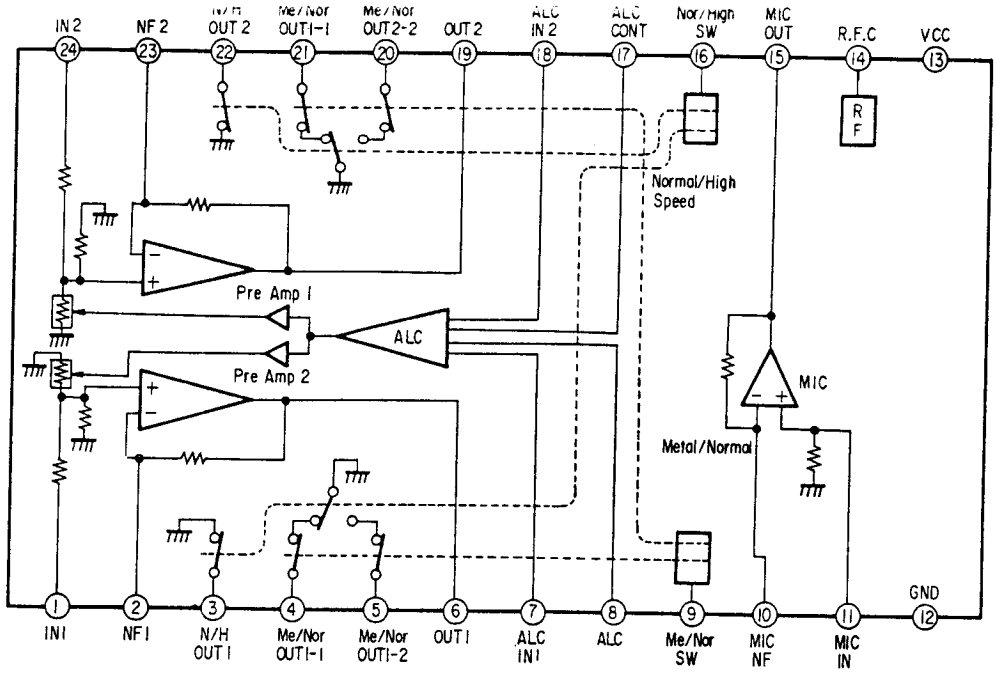


IC401 BA3824LS

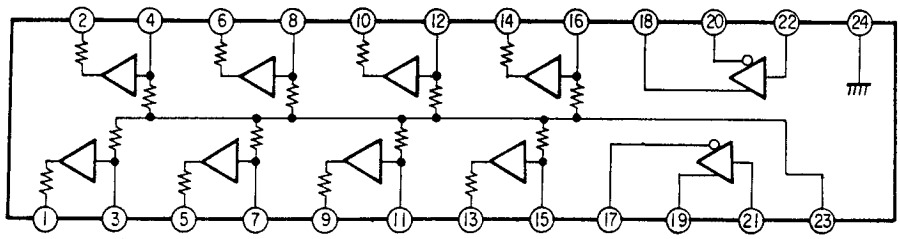


Note:

- All capacitors are in μF unless 50 WV or less are not indicate and tantalums.
- All resistors are in Ω and 1/4 specified.
- △ : internal component.



IC401 BA3824LS



MAIN
BOARD

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Δ : internal component.

SECTION 3
ELECTRICAL PARTS LIST

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	1-548-147-11	CLOCK (LCD)			
902	*1-621-581-11	PC BOARD, SW (B)			
903	*1-621-586-11	PC BOARD, TRANSLATION			
904	*A-3281-392-A	MOUNTED PCB, SW, MD (A)			
905	*1-621-585-11	PC BOARD, PHOTO			
906	1-616-098-11	PC BOARD, HEAD CHANGE SWITCH			
907	*1-621-583-11	PC BOARD, POWER			
908	*A-3270-373-A	(AEP)...PC BOARD ASSY, MAIN			
	A-3270-374-A	(UK)....PC BOARD ASSY, MAIN			
909	*1-621-578-11	PC BOARD, ANT			
910	*A-3266-366-A	PC BOARD ASSY, TUNER			
911	*A-3289-320-A	MOUNTED PCB, GEQ			
912	1-553-183-11	HOLDER, FUSE			
913	*1-602-735-00	PC BOARD			
ANT	1-501-338-31	ANTENNA, TELESCOPIC			
C1	1-102-074-00	CERAMIC	0.001MF	10%	50V
C2	1-102-947-00	CERAMIC	10PF	5%	50V
C3	1-102-959-00	CERAMIC	22PF	5%	50V
C4	1-161-013-00	CERAMIC	0.01MF	10%	25V
C5	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C6	1-161-013-00	CERAMIC	0.01MF	10%	25V
C7	1-102-960-00	CERAMIC	24PF	5%	50V
C8	1-102-951-00	CERAMIC	15PF	5%	50V
C10	1-102-973-00	CERAMIC	100PF	5%	50V
C12	1-102-074-00	CERAMIC	0.001MF	10%	50V
C13	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C19	1-101-005-00	CERAMIC	0.022MF		50V
C20	1-101-005-00	CERAMIC	0.022MF		50V
C21	1-101-005-00	CERAMIC	0.022MF		50V
C22	1-123-306-00	ELECT	47MF	20%	10V
C26	1-102-749-00	CERAMIC	12PF	5%	50V
C27	1-101-884-00	CERAMIC	56PF	5%	50V
C28	1-102-997-00	CERAMIC	10PF	0.5PF	50V
C29	1-102-947-00	CERAMIC	10PF	5%	50V
C30	1-103-740-00	POLYSTYRENE	0.0043MF	5%	50V
C31	1-102-959-00	CERAMIC	22PF	5%	50V
C32	1-104-067-00	POLYSTYRENE	390PF	5%	50V
C33	1-104-060-00	POLYSTYRENE	200PF	5%	50V
C34	1-103-711-00	POLYSTYRENE	270PF	5%	50V
C35	1-161-059-00	CERAMIC	0.047MF	10%	25V
C36	1-123-330-00	ELECT	22MF	20%	16V
C37	1-123-379-00	ELECT	0.47MF	20%	50V
C39	1-161-059-00	CERAMIC	0.047MF	10%	25V
C40	1-161-055-00	CERAMIC	0.022MF	10%	25V
C41	1-123-356-00	ELECT	10MF	20%	16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C44	1-161-055-00	CERAMIC	0.022MF	10%	25V
C45	1-161-056-00	CERAMIC	0.027MF	10%	25V
C46	1-124-463-00	ELECT	0.1MF	20%	50V
C47	1-123-382-00	ELECT	3.3MF	20%	50V
C49	1-102-973-00	CERAMIC	100PF	5%	50V
C52	1-123-380-00	ELECT	1MF	20%	50V
C53	1-123-382-00	ELECT	3.3MF	20%	50V
C54	1-104-077-00	POLYSTYRENE	0.001MF	5%	50V
C55	1-123-382-00	ELECT	3.3MF	20%	50V
C56	1-123-306-00	ELECT	47MF	20%	10V
C57	1-161-055-00	CERAMIC	0.022MF	10%	25V
C58	1-161-055-00	CERAMIC	0.022MF	10%	25V
C59	1-124-463-00	ELECT	0.1MF	20%	50V
C60	1-124-463-00	ELECT	0.1MF	20%	50V
C101	1-102-115-00	CERAMIC	560PF	10%	50V
C102	1-102-110-00	CERAMIC	220PF	10%	50V
C103	1-102-115-00	CERAMIC	560PF	10%	50V
C104	1-102-110-00	CERAMIC	220PF	10%	50V
C105	1-161-052-00	CERAMIC	0.012MF	10%	25V
C106	1-161-058-00	CERAMIC	0.039MF	10%	25V
C107	1-123-369-00	ELECT	4.7MF	20%	50V
C108	1-102-074-00	CERAMIC	0.001MF	10%	50V
C109	1-123-369-00	ELECT	4.7MF	20%	50V
C110	1-102-110-00	CERAMIC	220PF	10%	50V
C111	1-123-306-00	ELECT	47MF	20%	10V
C113	1-161-054-00	CERAMIC	0.018MF	10%	25V
C114	1-161-055-00	CERAMIC	0.022MF	10%	25V
C115	1-102-106-00	CERAMIC	100PF	10%	50V
C116	1-123-380-00	ELECT	1MF	20%	50V
C117	1-123-369-00	ELECT	4.7MF	20%	50V
C118	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C119	1-123-380-00	ELECT	1MF	20%	50V
C120	1-102-074-00	CERAMIC	0.001MF	10%	50V
C121	1-123-306-00	ELECT	47MF	20%	10V
C122	1-123-307-00	ELECT	100MF	20%	10V
C123	1-123-299-00	ELECT	1000MF	20%	6.3V
C124	1-123-306-00	ELECT	47MF	20%	10V
C125	1-130-497-00	MYLAR	0.15MF	5%	50V
C126	1-136-165-00	FILM	0.1MF	5%	50V
C127	1-102-106-00	CERAMIC	100PF	10%	50V
C201	1-102-115-00	CERAMIC	560PF	10%	50V
C202	1-102-110-00	CERAMIC	220PF	10%	50V
C203	1-102-115-00	CERAMIC	560PF	10%	50V
C204	1-102-110-00	CERAMIC	220PF	10%	50V
C205	1-161-052-00	CERAMIC	0.012MF	10%	25V
C206	1-161-058-00	CERAMIC	0.039MF	10%	25V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C207	1-123-369-00	ELECT	4.7MF	20%	50V
C208	1-102-074-00	CERAMIC	0.001MF	10%	50V
C209	1-123-369-00	ELECT	4.7MF	20%	50V
C210	1-102-110-00	CERAMIC	220PF	10%	50V
C211	1-123-306-00	ELECT	47MF	20%	10V
C213	1-161-054-00	CERAMIC	0.018MF	10%	25V
C214	1-161-055-00	CERAMIC	0.022MF	10%	25V
C215	1-102-106-00	CERAMIC	100PF	10%	50V
C216	1-123-380-00	ELECT	1MF	20%	50V
C217	1-123-369-00	ELECT	4.7MF	20%	50V
C218	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C219	1-123-380-00	ELECT	1MF	20%	50V
C220	1-102-074-00	CERAMIC	0.001MF	10%	50V
C221	1-123-306-00	ELECT	47MF	20%	10V
C222	1-123-307-00	ELECT	100MF	20%	10V
C223	1-123-299-00	ELECT	1000MF	20%	6.3V
C224	1-123-306-00	ELECT	47MF	20%	10V
C225	1-130-497-00	MYLAR	0.15MF	5%	50V
C226	1-136-165-00	FILM	0.1MF	5%	50V
C227	1-102-106-00	CERAMIC	100PF	10%	50V
C301	1-123-379-00	ELECT	0.47MF	20%	50V
C302	1-123-379-00	ELECT	0.47MF	20%	50V
C303	1-124-464-11	ELECT	0.22MF	20%	50V
C304	1-102-074-00	CERAMIC	0.001MF	10%	50V
C305	1-161-053-00	CERAMIC	0.015MF	10%	25V
C306	1-123-330-00	ELECT	22MF	20%	16V
C307	1-123-369-00	ELECT	4.7MF	20%	50V
C308	1-123-307-00	ELECT	100MF	20%	10V
C309	1-123-369-00	ELECT	4.7MF	20%	50V
C310	1-123-306-00	ELECT	47MF	20%	10V
C312	1-123-369-00	ELECT	4.7MF	20%	50V
C313	1-124-124-00	ELECT	220MF	20%	10V
C314	1-124-124-00	ELECT	220MF	20%	10V
C315	1-123-307-00	ELECT	100MF	20%	10V
C316	1-123-369-00	ELECT	4.7MF	20%	50V
C317	1-123-321-00	ELECT	220MF	20%	16V
C318	1-123-332-00	ELECT	47MF	20%	16V
C319	1-101-005-00	CERAMIC	0.022MF		50V
C320	1-101-005-00	CERAMIC	0.022MF		50V
C321	1-101-005-00	CERAMIC	0.022MF		50V
C322	1-124-124-00	ELECT	220MF	20%	10V
C323	1-130-479-00	MYLAR	0.0047MF	5%	50V
C324	1-102-074-00	CERAMIC	0.001MF	10%	50V
C325	1-130-467-00	MYLAR	470PF	5%	50V
C326	1-102-106-00	CERAMIC	100PF	10%	50V
C327	1-123-306-00	ELECT	47MF	20%	10V
C328	1-161-059-00	CERAMIC	0.047MF	10%	25V
C329	1-123-379-00	ELECT	0.47MF	20%	50V
C330	1-123-379-00	ELECT	0.47MF	20%	50V
C331	1-161-046-00	CERAMIC	0.0039MF	10%	25V
C332	1-123-380-00	ELECT	1MF	20%	50V
C333	1-123-330-00	ELECT	22MF	20%	16V
C334	1-123-369-00	ELECT	4.7MF	20%	50V
C335	1-123-369-00	ELECT	4.7MF	20%	50V
C336	1-123-369-00	ELECT	4.7MF	20%	50V
C337	1-123-369-00	ELECT	4.7MF	20%	50V
C338	1-123-310-00	ELECT	470MF	20%	10V
C339	1-123-307-00	ELECT	100MF	20%	10V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C341	1-102-106-00	CERAMIC	100PF	10%	50V
C342	1-123-307-00	ELECT	100MF	20%	10V
C343	1-102-074-00	CERAMIC	0.001MF	10%	50V
C345	1-162-294-31	CERAMIC	0.001MF	10%	50V
C349	1-123-380-00	ELECT	1MF	20%	50V
C401	1-123-611-00	ELECT	1MF	20%	50V
C402	1-102-106-00	CERAMIC	100PF	10%	50V
C403	1-161-054-00	CERAMIC	0.018MF	10%	25V
C404	1-124-254-00	ELECT	0.68MF	20%	50V
C405	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C406	1-124-464-11	ELECT	0.22MF	20%	50V
C407	1-161-043-00	CERAMIC	0.0022MF	10%	25V
C408	1-161-023-00	CERAMIC	0.068MF	10%	25V
C409	1-102-115-00	CERAMIC	560PF	10%	50V
C410	1-161-053-00	CERAMIC	0.015MF	10%	25V
C411	1-124-245-00	ELECT	4.7MF	20%	35V
C412	1-124-245-00	ELECT	4.7MF	20%	35V
C413	1-161-053-00	CERAMIC	0.015MF	10%	25V
C414	1-102-074-00	CERAMIC	0.001MF	10%	50V
C451	1-123-611-00	ELECT	1MF	20%	50V
C452	1-102-106-00	CERAMIC	100PF	10%	50V
C453	1-161-054-00	CERAMIC	0.018MF	10%	25V
C454	1-124-254-00	ELECT	0.68MF	20%	50V
C455	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C456	1-124-464-11	ELECT	0.22MF	20%	50V
C457	1-161-043-00	CERAMIC	0.0022MF	10%	25V
C458	1-161-023-00	CERAMIC	0.068MF	10%	25V
C459	1-102-115-00	CERAMIC	560PF	10%	50V
C460	1-161-053-00	CERAMIC	0.015MF	10%	25V
C461	1-124-245-00	ELECT	4.7MF	20%	35V
C462	1-124-245-00	ELECT	4.7MF	20%	35V
C463	1-161-053-00	CERAMIC	0.015MF	10%	25V
C464	1-102-074-00	CERAMIC	0.001MF	10%	50V
C601	1-123-330-00	ELECT	22MF	20%	16V
C602	1-123-380-00	ELECT	1MF	20%	50V
C603	1-123-369-00	ELECT	4.7MF	20%	50V
C604	1-123-380-00	ELECT	1MF	20%	50V
C801 ⚠	1-101-005-00	CERAMIC	0.022MF		50V
C802	1-101-005-00	CERAMIC	0.022MF		50V
C803	1-101-005-00	CERAMIC	0.022MF		50V
C804	1-124-887-00	ELECT	3300MF	20%	16V
CF1	1-567-802-71	FILTER, CERAMIC			
CF2	1-567-802-71	FILTER, CERAMIC			
CF3	1-527-670-00	FILTER, CERAMIC			
CNJ13	*1-563-307-11	CONNECTOR (SOCKET) 2P			
CNP801 ⚠	1-526-838-11	INLET, AC 2P			
CNP2	*1-506-707-11	PLUG, CONNECTOR (2.5MM) 3P			
CNP3	*1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P			
CNP4	*1-506-715-11	PLUG, CONNECTOR (2.5MM) 13P			
CNP5	*1-506-708-11	PLUG, CONNECTOR (2.5MM) 5P			
CNP6	*1-564-779-11	PLUG, CONNECTOR (2.5MM) 6P			
CNP8	*1-564-779-11	PLUG, CONNECTOR (2.5MM) 6P			
CNP9	*1-564-777-11	PLUG, CONNECTOR (2.5MM) 2P			
CNP13	*1-560-530-00	PIN, CONNECTOR 2P			
CNP401	*1-564-782-11	PIN, CONNECTOR 4P			
CNP402	*1-564-782-11	PIN, CONNECTOR 4P			

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CP1	1-235-142-00	FILTER, BAND PASS
CT1-4, CV1-4	1-151-372-21	CAP, TUNING, POLYETHYLENE
CT5	1-141-290-11	CAP, VAR FILM TRIMMER
CT6	1-141-260-00	TRIMMER, CERAMIC
CT7	1-141-290-11	CAP, VAR FILM TRIMMER
CT8	1-141-245-00	TRIMMER, CERAMIC
D1	8-719-901-33	DIODE 1SS133
D2	8-719-901-33	DIODE 1SS133
D3	8-719-901-33	DIODE 1SS133
D4	8-719-768-75	DIODE 1S2687CS
D5	1-807-738-11	SLR-34VR70F/30 (LED)
D101	8-719-901-33	DIODE 1SS133
D102	8-719-901-33	DIODE 1SS133
D201	8-719-901-33	DIODE 1SS133
D202	8-719-901-33	DIODE 1SS133
D302	8-719-901-33	DIODE 1SS133
D303	8-719-100-41	DIODE RD6.8EB2
D306	8-719-901-33	DIODE 1SS133
D308	1-807-738-11	SLR-34VR70F/30 (LED)
D309	1-807-738-11	SLR-34VR70F/30 (LED)
D310	8-719-901-33	DIODE 1SS133
D312	8-719-901-33	DIODE 1SS133
D313	8-719-901-33	DIODE 1SS133
D315	8-719-901-33	DIODE 1SS133
D316	8-719-901-33	DIODE 1SS133
D317	8-719-901-33	DIODE 1SS133
D601	8-719-901-33	DIODE 1SS133
D602	8-719-901-33	DIODE 1SS133
D801 ⚠	1-807-739-11	DIODE 1N4002AT-92
D802 ⚠	1-807-739-11	DIODE 1N4002AT-92
D803 ⚠	1-807-739-11	DIODE 1N4002AT-92
D804 ⚠	1-807-739-11	DIODE 1N4002AT-92
F801 ⚠	1-532-285-00	FUSE, TIME-LAG
HE901	8-658-096-02	HEAD, ERASE EBF5-36
HP901	1-543-389-31	HEAD, MAGNETIC (REC/PB)
HRP901	1-543-283-11	HEAD, MAGNETIC (REC/PB)
IC1	8-759-204-03	IC TA7358AP
IC2	8-759-801-24	IC LA1260S
IC3	8-759-203-87	IC TA7343AP
IC301	1-807-771-11	IC LA3245
IC302	1-807-770-11	IC LA3240
IC303	8-759-205-82	IC TA7282AP
IC304	8-759-905-47	IC BA338
IC401	1-807-737-11	IC BA3824LS
J301	1-507-643-00	JACK
J302	1-507-948-11	JACK
J303	1-563-716-11	JACK, PIN
L1	1-422-126-00	COIL, AIR-CORE
L2	1-459-694-11	COIL, VHF (WITH CORE)
L5	1-409-293-00	COIL, AIR-CORE
L8	1-402-262-11	COIL, SW ANT
L9	1-402-247-11	ANTENNA, FERRITE-ROD
L10	1-406-299-11	COIL, OSCILLATION (SW)
L11	1-406-059-00	COIL, OSC

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L12	1-406-151-11	COIL, OSCILLATION (LW)
L101	1-407-961-00	MICRO INDUCTOR 2.7MMH
L201	1-407-961-00	MICRO INDUCTOR 2.7MMH
M901	1-541-317-11	MOTOR
M902	1-541-317-11	MOTOR
MIC	8-814-186-00	MICROPHONE, ELECTRET CONDENSER
PH1	8-719-913-55	DIODE GP-2S04-B
PM901	1-454-355-00	SOLENOID, PLUNGER
Q1	1-807-533-21	TRANSISTOR KSC945C-G
Q101	8-729-900-80	TRANSISTOR DTC114ES
Q201	8-729-900-80	TRANSISTOR DTC114ES
Q301	8-729-900-80	TRANSISTOR DTC114ES
Q302	8-729-900-80	TRANSISTOR DTC114ES
Q303	1-807-533-21	TRANSISTOR KSC945C-G
Q304	8-729-900-80	TRANSISTOR DTC114ES
Q305	8-729-900-80	TRANSISTOR DTC114ES
Q306	8-729-100-12	TRANSISTOR 2SC2001-L
Q307	1-807-533-21	TRANSISTOR KSC945C-G
Q308	1-807-537-21	TRANSISTOR KSA733C-Y
Q309	8-729-100-12	TRANSISTOR 2SC2001-L
Q310	1-807-537-21	TRANSISTOR KSA733C-Y
Q311	1-807-533-21	TRANSISTOR KSC945C-G
Q312	1-807-533-21	TRANSISTOR KSC945C-G
Q313	1-807-537-21	TRANSISTOR KSA733C-Y
Q314	1-807-533-21	TRANSISTOR KSC945C-G
Q315	1-807-533-21	TRANSISTOR KSC945C-G
Q316	1-807-537-21	TRANSISTOR KSA733C-Y
Q317	1-807-533-21	TRANSISTOR KSC945C-G
Q320	1-807-537-21	TRANSISTOR KSA733C-Y
Q321	1-807-533-21	TRANSISTOR KSC945C-G
Q601	8-729-900-80	TRANSISTOR DTC114ES
Q602	1-807-533-21	TRANSISTOR KSC945C-G
Q603	8-729-900-61	TRANSISTOR DTA114ES
Q604	8-729-900-80	TRANSISTOR DTC114ES
Q605	1-807-533-21	TRANSISTOR KSC945C-G
Q606	1-807-533-21	TRANSISTOR KSC945C-G
Q607	1-807-537-21	TRANSISTOR KSA733C-Y

R1	1-249-417-11	CARBON	1K	5%	1/6W
R2	1-249-405-11	CARBON	100	5%	1/6W
R3	1-249-395-11	CARBON	15	5%	1/6W
R4	1-249-399-11	CARBON	33	5%	1/6W
R5	1-249-405-11	CARBON	100	5%	1/6W
R6	1-249-414-11	CARBON	560	5%	1/6W
R7	1-249-441-11	CARBON	100K	5%	1/6W
R8	1-249-441-11	CARBON	100K	5%	1/6W
R15	1-247-849-00	CARBON	5.6K	5%	1/6W
R16	1-249-441-11	CARBON	100K	5%	1/6W
R21	1-249-433-11	CARBON	22K	5%	1/6W
R22	1-249-435-11	CARBON	33K	5%	1/6W
R23	1-249-433-11	CARBON	22K	5%	1/6W
R24	1-249-441-11	CARBON	100K	5%	1/6W
R25	1-247-828-00	CARBON	750	5%	1/6W
R26	1-249-421-11	CARBON	2.2K	5%	1/6W
R27	1-249-435-11	CARBON	33K	5%	1/6W
R51	1-249-417-11	CARBON	1K	5%	1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R52	1-249-429-11	CARBON	10K	5%	1/6W
R53	1-215-477-00	CARBON	220K	5%	1/6W
R54	1-247-829-00	CARBON	820	5%	1/6W
R55	1-249-423-11	CARBON	3.3K	5%	1/6W
R56	1-249-423-11	CARBON	3.3K	5%	1/6W
R57	1-249-428-11	CARBON	8.2K	5%	1/6W
R58	1-249-428-11	CARBON	8.2K	5%	1/6W
R61	1-249-402-11	CARBON	56	5%	1/6W
R101	1-249-437-11	CARBON	47K	5%	1/6W
R102	1-249-429-11	CARBON	10K	5%	1/6W
R103	1-249-429-11	CARBON	10K	5%	1/6W
R104	1-249-405-11	CARBON	100	5%	1/6W
R105	1-249-429-11	CARBON	10K	5%	1/6W
R106	1-249-429-11	CARBON	10K	5%	1/6W
R107	1-249-421-11	CARBON	2.2K	5%	1/6W
R108	1-249-421-11	CARBON	2.2K	5%	1/6W
R109	1-249-429-11	CARBON	10K	5%	1/6W
R110	1-249-421-11	CARBON	2.2K	5%	1/6W
R111	1-249-441-11	CARBON	100K	5%	1/6W
R112	1-249-408-11	CARBON	180	5%	1/6W
R113	1-215-464-00	CARBON	62K	5%	1/6W
R114	1-249-429-11	CARBON	10K	5%	1/6W
R115	1-249-413-11	CARBON	470	5%	1/6W
R116	1-249-428-11	CARBON	8.2K	5%	1/6W
R117	1-249-421-11	CARBON	2.2K	5%	1/6W
R118	1-249-405-11	CARBON	100	5%	1/6W
R119	1-249-403-11	CARBON	68	5%	1/6W
R122	1-249-429-11	CARBON	10K	5%	1/6W
R201	1-249-437-11	CARBON	47K	5%	1/6W
R202	1-249-429-11	CARBON	10K	5%	1/6W
R203	1-249-429-11	CARBON	10K	5%	1/6W
R204	1-249-405-11	CARBON	100	5%	1/6W
R205	1-249-429-11	CARBON	10K	5%	1/6W
R206	1-249-429-11	CARBON	10K	5%	1/6W
R207	1-249-421-11	CARBON	2.2K	5%	1/6W
R208	1-249-421-11	CARBON	2.2K	5%	1/6W
R209	1-249-429-11	CARBON	10K	5%	1/6W
R210	1-249-421-11	CARBON	2.2K	5%	1/6W
R211	1-249-441-11	CARBON	100K	5%	1/6W
R212	1-249-408-11	CARBON	180	5%	1/6W
R213	1-215-464-00	CARBON	62K	5%	1/6W
R214	1-249-429-11	CARBON	10K	5%	1/6W
R215	1-249-413-11	CARBON	470	5%	1/6W
R216	1-249-428-11	CARBON	8.2K	5%	1/6W
R217	1-249-421-11	CARBON	2.2K	5%	1/6W
R218	1-249-405-11	CARBON	100	5%	1/6W
R219	1-249-403-11	CARBON	68	5%	1/6W
R222	1-249-429-11	CARBON	10K	5%	1/6W
R301	1-249-412-11	CARBON	390	5%	1/6W
R302	1-249-413-11	CARBON	470	5%	1/6W
R303	1-249-413-11	CARBON	470	5%	1/6W
R304	1-247-811-00	CARBON	150	5%	1/6W
R305	1-249-441-11	CARBON	100K	5%	1/6W
R306	1-247-849-00	CARBON	5.6K	5%	1/6W
R307	1-249-441-11	CARBON	100K	5%	1/6W
R308	1-249-409-11	CARBON	220	5%	1/6W
R309	1-247-849-00	CARBON	5.6K	5%	1/6W
R310	1-249-429-11	CARBON	10K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R311	1-249-429-11	CARBON	10K	5%	1/6W
R312	1-249-429-11	CARBON	10K	5%	1/6W
R313	1-249-441-11	CARBON	100K	5%	1/6W
R314	1-249-441-11	CARBON	100K	5%	1/6W
R315	1-249-429-11	CARBON	10K	5%	1/6W
R316	1-249-402-11	CARBON	56	5%	1/6W
R317	1-215-485-00	CARBON	470K	5%	1/6W
R320	1-249-421-11	CARBON	2.2K	5%	1/6W
R321	1-249-429-11	CARBON	10K	5%	1/6W
R322	1-247-849-00	CARBON	5.6K	5%	1/6W
R323	1-249-402-11	CARBON	56	5%	1/6W
R324	1-249-429-11	CARBON	10K	5%	1/6W
R325 ⚠	1-217-383-00	FUSIBLE	4.7	5%	1/4W F
R326	1-249-405-11	CARBON	100	5%	1/6W
R327	1-249-411-11	CARBON	330	5%	1/6W
R328	1-249-429-11	CARBON	10K	5%	1/6W
R329	1-249-393-11	CARBON	10	5%	1/6W
R330	1-215-410-00	CARBON	360	5%	1/6W
R331	1-249-429-11	CARBON	10K	5%	1/6W
R332	1-247-849-00	CARBON	5.6K	5%	1/6W
R333	1-215-479-00	CARBON	270K	5%	1/6W
R334	1-215-481-00	CARBON	330K	5%	1/6W
R335	1-249-413-11	CARBON	470	5%	1/6W
R336	1-249-441-11	CARBON	100K	5%	1/6W
R337	1-249-410-11	CARBON	270	5%	1/6W
R338	1-249-415-11	CARBON	680	5%	1/6W
R339	1-249-405-11	CARBON	100	5%	1/6W
R340	1-249-410-11	CARBON	270	5%	1/6W
R341	1-249-437-11	CARBON	47K	5%	1/6W
R342	1-247-741-11	CARBON	150	5%	1/2W
R343	1-247-849-00	CARBON	5.6K	5%	1/6W
R344	1-249-429-11	CARBON	10K	5%	1/6W
R345	1-249-441-11	CARBON	100K	5%	1/6W
R346	1-249-429-11	CARBON	10K	5%	1/6W
R347	1-249-429-11	CARBON	10K	5%	1/6W
R348	1-249-429-11	CARBON	10K	5%	1/6W
R349	1-249-429-11	CARBON	10K	5%	1/6W
R350	1-249-429-11	CARBON	10K	5%	1/6W
R351	1-249-429-11	CARBON	10K	5%	1/6W
R352	1-249-429-11	CARBON	10K	5%	1/6W
R353	1-249-429-11	CARBON	10K	5%	1/6W
R354	1-249-429-11	CARBON	10K	5%	1/6W
R355	1-249-429-11	CARBON	10K	5%	1/6W
R356	1-249-429-11	CARBON	10K	5%	1/6W
R357	1-247-849-00	CARBON	5.6K	5%	1/6W
R358	1-249-417-11	CARBON	1K	5%	1/6W
R360	1-249-429-11	CARBON	10K	5%	1/6W
R361	1-249-415-11	CARBON	680	5%	1/6W
R362	1-249-421-11	CARBON	2.2K	5%	1/6W
R363	1-249-437-11	CARBON	47K	5%	1/6W
R364	1-249-421-11	CARBON	2.2K	5%	1/6W
R366	1-249-441-11	CARBON	100K	5%	1/6W
R368	1-249-429-11	CARBON	10K	5%	1/6W
R371	1-249-402-11	CARBON	56	5%	1/6W
R372	1-249-417-11	CARBON	1K	5%	1/6W
R373	1-247-787-00	CARBON	15	5%	1/6W
R376	1-249-429-11	CARBON	10K	5%	1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R377	1-247-787-00	CARBON	15	5%	1/6W
R378	1-249-429-11	CARBON	10K	5%	1/6W
R379	1-249-441-11	CARBON	100K	5%	1/6W
R401	1-249-425-11	CARBON	4.7K	5%	1/6W
R402	1-247-836-00	CARBON	1.6K	5%	1/6W
R451	1-249-425-11	CARBON	4.7K	5%	1/6W
R452	1-247-836-00	CARBON	1.6K	5%	1/6W
R601	1-249-425-11	CARBON	4.7K	5%	1/6W
R602	1-249-436-11	CARBON	39K	5%	1/6W
R603	1-249-425-11	CARBON	4.7K	5%	1/6W
R604	1-215-477-00	CARBON	220K	5%	1/6W
R605	1-249-429-11	CARBON	10K	5%	1/6W
R606	1-249-425-11	CARBON	4.7K	5%	1/6W
R607	1-249-441-11	CARBON	100K	5%	1/6W
R609	1-215-483-00	CARBON	390K	5%	1/6W
R610	1-215-489-00	CARBON	680K	5%	1/6W
R611	1-249-429-11	CARBON	10K	5%	1/6W
R620	1-249-414-11	CARBON	560	5%	1/6W
R621	1-249-427-11	CARBON	6.8K	5%	1/6W
RV1	1-228-993-00	RES, ADJ, CARBON 4.7K			
RV301	1-228-991-00	RES, ADJ, CARBON 2.2K			
RV302	1-228-990-00	RES, ADJ, CARBON 1K			
RV303	1-228-990-00	RES, ADJ, CARBON 1K			
RV304	1-228-991-00	RES, ADJ, CARBON 2.2K			
RV401	1-237-024-11	RES, VAR, SLIDE 100K/100K			
RV402	1-237-024-11	RES, VAR, SLIDE 100K/100K			
RV403	1-237-024-11	RES, VAR, SLIDE 100K/100K			
RV404	1-237-024-11	RES, VAR, SLIDE 100K/100K			
RV405	1-237-024-11	RES, VAR, SLIDE 100K/100K			
RV406	*1-230-910-11	RES, VAR, SLIDE 20K/20K			
S1	1-554-885-11	SWITCH, LEVER SLIDE			
S301	1-570-942-11	SWITCH, SLIDE			
S302	1-570-944-11	SWITCH, LEVER SLIDE			
S303	1-570-068-11	SWITCH, PUSH (1 KEY)			
S304	1-553-331-21	SWITCH, PUSH			
S305	1-553-331-21	SWITCH, PUSH			
S306	1-570-068-11	SWITCH, PUSH (1 KEY)			
S307	1-554-123-00	SWITCH, SLIDE			
S308	1-553-331-21	SWITCH, PUSH			
S309	1-554-123-00	SWITCH, SLIDE			
S501	1-554-495-00	SWITCH, LEAF			
S502	1-570-012-11	SWITCH, LEAF			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S601	1-570-441-11	SWITCH, LEAF
S602	1-570-012-11	SWITCH, LEAF
S603	1-552-864-00	SWITCH, LEAF
S604	1-570-943-11	SWITCH, SLIDE
SP901	1-503-750-11	SPEAKER
SP902	1-503-750-11	SPEAKER
T1	1-403-872-00	I.F.T CONVERTER FM (SMALL TYPE)
T2	1-404-249-00	COIL, FM DETECTOR
T3	1-404-355-00	TRANSFORMER, IF
T301	1-433-222-00	TRANSFORMER, BIAS OSCILLATOR
T801	⚠1-448-779-11	(UK)...TRANSFORMER, POWER
T801	⚠1-448-780-11	(AEP)...TRANSFORMER, POWER

ACCESSORY & PACKING MATERIAL

Part No.	Description
1-555-234-00	(AEP)...CORD POWER
1-558-032-11	(UK)....CORD POWER
3-339-361-01	INDIVIDUAL CARTON
3-339-355-01	CUSHION (LOWER)
3-339-382-01	SHEET, PROTECTION
3-339-354-01	CUSHION (UPPER)
3-701-626-00	BAG, POLYETHYLENE
3-764-430-01	(AEP)...INSTRUCTION, DBP CAUTION
3-765-975-11	MANUAL, INSTRUCTION

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Sony Corporation
Audio Group

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